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The Organ of the Provision and Meat Industries of the United States.

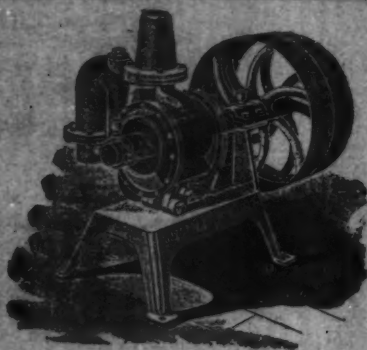
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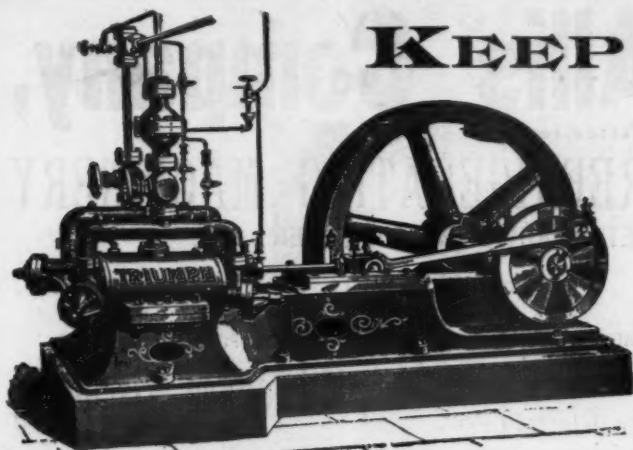
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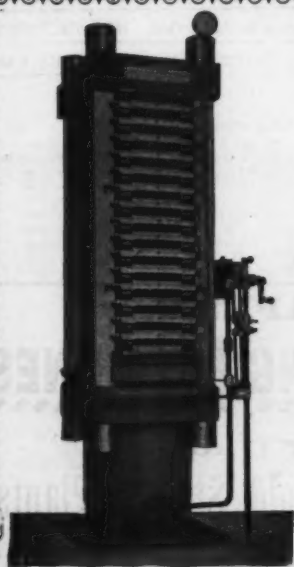
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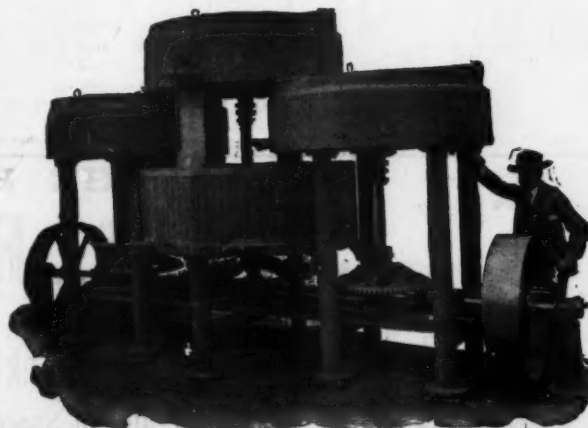
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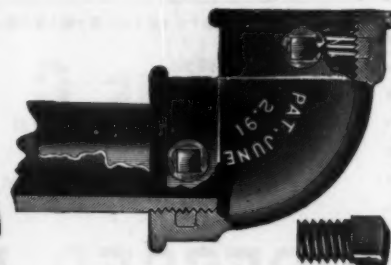
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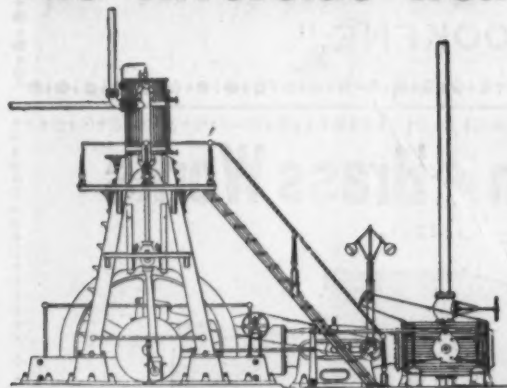
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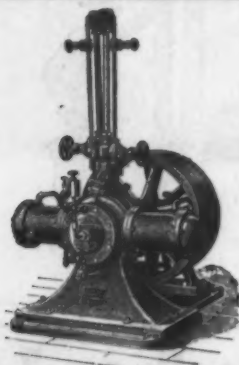
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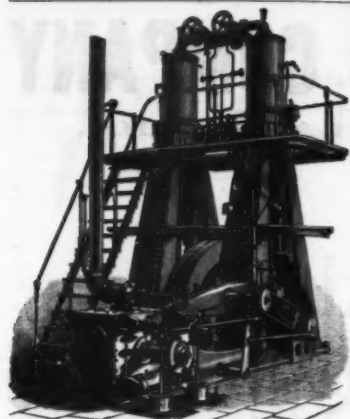
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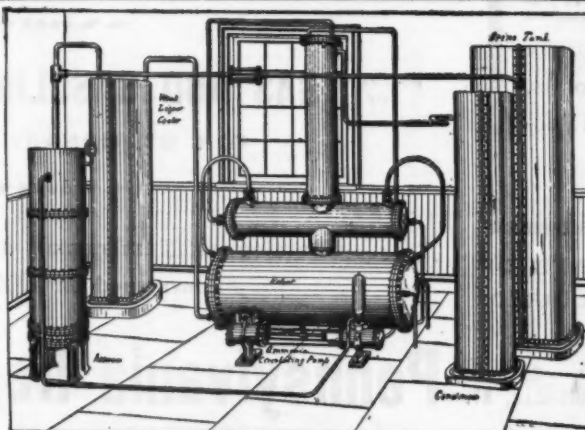
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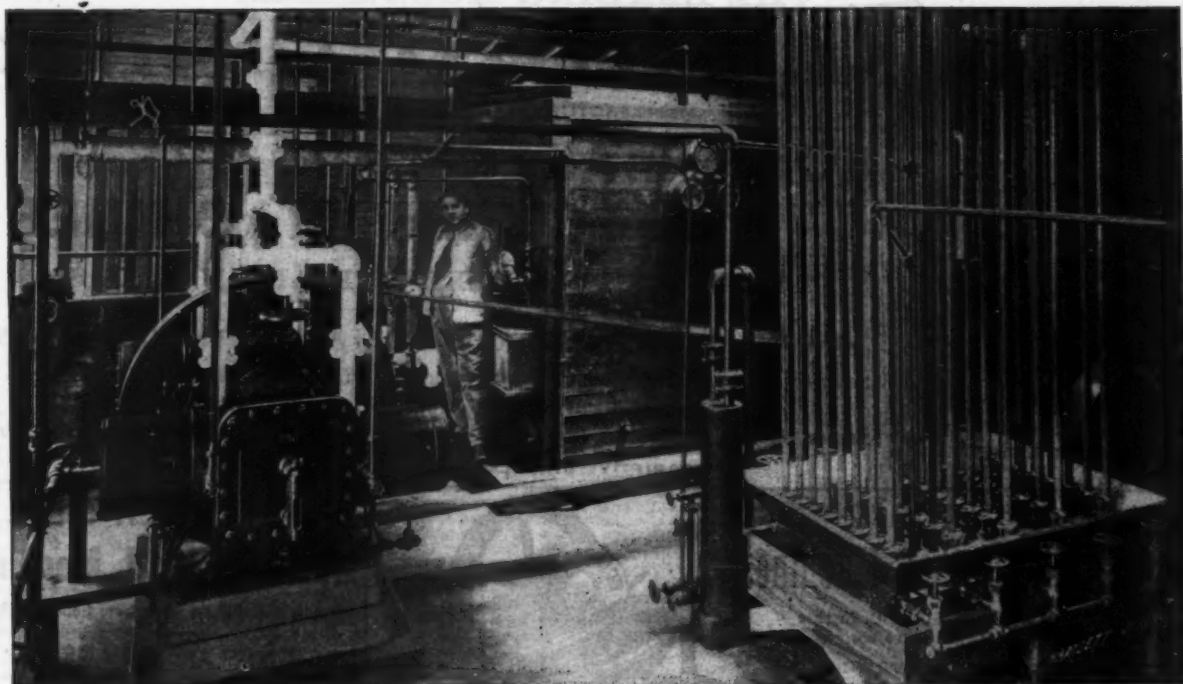
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Last week this space contained a cut of the meat room of the Cook County Hospital, Chicago, Ill., and referred to the new refrigerating plant which had been installed. The above shows it fully. The compressor is belted from the small engine in the back ground and hides the brine pump which is near the brine tank. The Condenser is of the vertical evaporative type, economical of water and easily handled. Such a plant is efficient, durable and convenient.

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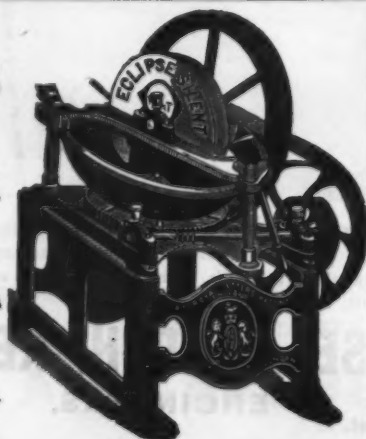
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NEW YORK AND CHICAGO.

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**INDEPENDENCE DAY.**

To-morrow is Independence Day, the anniversary of the Declaration of Independence. Of all the holidays which we celebrate throughout the year it is the most glorious and inspiring. One has but to consider the great character, sterling honesty and unselfish patriotism of that small band of statesmen whose signatures adorn the greatest document ever committed to the pages of history, to feel assured that we are citizens of no mean country. We are still young, as the ages of countries go, but what a mighty figure is the country in the eyes of the world and in reality. The founders of this great Republic were simple but grand men. Their patriotism was not prompted by sordid motives or a thirst for pelf. By no means. It must seem to intelligent men that Providence intended that these men should live in history as exemplars for generations of Americans to come.

"Lives of great men oft remind us
We can make our lives sublime,
And, departing, leave behind us,
Footprints on the sands of time."

AUSTRALASIAN METHODS.

We publish to-day an exceedingly interesting letter from our Queensland correspondent, which will give our readers an idea of the ups and downs to be met with in that country when engaged in industrial pursuits, particularly such as relate to the cattle trade. Our Antipodean cousins, we know, have far greater obstacles to overcome than ever did the American packer, and yet, notwithstanding this, the country as a meat producer has made wonderful headway, and will, no doubt, continue to do so. Some of these days the raising of cattle, sheep and hogs in Great Britain and most of the Continental countries of Europe will be a thing of the past. When such a condition does come about, Australasia, Argentine and the United States will have a clear field and will then doubtless reap the reward due to honest and fearless enterprise.

Mr. Gowdy, the recently appointed Consul General at Paris, has written to friends in Indiana expressing surprise at the difficulty he experienced in procuring American meats in France, and at the restrictions which that country has adopted concerning same. We are glad to hear that Mr. Gowdy proposes making an effort to remove these restrictions. Our suggestion is that all our European ambassadors, ministers and consuls co-operate with the State Department at Washington in a persistent effort to remove European embargos against our cattle and products. Concerted and well directed action is necessary.

The improvements noted in our last week's reviews of the markets can readily be accepted as evidences of returned business activity. The money and general markets are always the great barometer in the world of commerce. The past week has shown especial activity, and Wall street has not been livelier in a long time.

HAM CURING.

The fame of the pork products of the United States is world wide. Limerick, Ireland, and Westphalia have attained to high and well-deserved honors on account of the character of its hams than anything else. In places. In Ireland much more than a local reputation for bacon curing has been built up and Westphalia is more known through the character of its ham than anything else. In the United States the curing of bacon has been reduced to the most absolute science, and were as much attention to be given by our farmers to the breeding, raising and feeding of hogs as our packers give to the subsequent treatment of the product, the United States would have a reputation for not alone being an extensive producer of bacon in globo but would also be enabled to stand pre-eminent for distinctive excellence in hams, breakfast bacon, etc. By this we mean that individual brands, which now come under the general classification of "American" would become better known by their especially good quality. We say this in no disparaging sense. The output of the American packer is large and his grade of product uniform. When he buys hogs he must take what the market offers or go without. In the face of such difficulties the packer does wonderfully well. Some houses care nothing if they produce a ham acceptable to the ordinary consumer and capable of holding its own in competition in the regular market, while others devote special attention to this section of the industry, and through this extra attention and judicious advertising succeed in getting a cent a pound or so more than is paid for the ordinary article. The best ham is not always the one produced in the big packing houses. There are lots of people in the trade to-day, for instance, who have the idea that the much abused and ridiculed razorbacked hog cuts no figure in the bacon producing business, yet one of the very best and most popular brands of ham produced in this country comes from the razorbacked hog. We refer to the celebrated "Smithfield"—and hope, in a subsequent issue, to give our readers some close details of a historical and technical character concerning it. This ham, as many of our readers are aware, takes its name from the little town of Smithfield, which is about thirty miles from Norfolk, Va. Of course, considerable attention is given to the matter of its cure, but its primary virtue comes from the character of the hog and the routine which it is put through in the matter of feed, etc., before slaughter. The ham has peculiar qualities, each one of which commends it to the palate of the consumer. The demand for them has grown to such an extent that those who prepare them, unable to fill orders at times from the domestic supply of hogs, have been tempted to try their curing process on hams shipped to them from other sections, but without being able to come anywhere near the quality peculiar to the hams made from the local razorback. Cross-breeding has also been tried, but with the same unsatisfactory result. It seems strange that among less than a dozen small packers in a Virginian town the total output of such a favorable brand should be only about twenty thousand in a year.

The razorbacked hog is peculiar to the Southern States, yet those very States seek elsewhere for their bacon supplies. Of course, its cultivation and subsequent treatment in the packing house generally may involve economic considerations, yet, the fact remains as above shown, that one of the most, if not the most, popular and expensive brands of hams on the market to-day is this very "Smithfield" ham taken from the razorbacked hog. In recent years a good many packing houses have sprung up in the South, and it

seems to us that it might pay their owners to consider the claims which the "razorback" has to their consideration. Any attempt, however, to regard him in a serious light would be useless, unless those embarking in the enterprise carefully looked into the matter of his preliminary treatment as regards feeding, housing, etc. There all the honor lies, and it is in consequence of special attention to that particular feature that the "Smithfield" ham is so celebrated.

We shall treat the matter more extendedly next week and will include in our article the process of feeding as well as the process of curing.

PRO DOMO.

Regular subscribers will perhaps excuse us if we take up a small space this week to write about "The National Provisioner." This note is addressed particularly to butchers and others in the meat and provision industries who have not yet risen to the wisdom of subscribing to this journal. This is becoming a smaller and smaller section year by year. We have never yet finished a year without adding a substantial increase to our subscription list, and so long as there is a man left who deals in meat and provisions, who reads English and has four dollars, we do not intend to cease our missionary efforts to induce him to accept the benefits which we offer.

We are angry with butchers who do not subscribe; we simply look on them with curiosity. We are not vain; our critics take care of us in that respect. But neither are we exceptionally modest, and we assert with the utmost confidence that the butcher or provision man, with whom must be included commission man and broker, who saves his four dollars and does not get "The National Provisioner" regularly, is a loser by his economy.

In these days of competition it is absolutely essential for every one who would succeed in his business to know what is going on; to keep himself posted on market prices; to see what wholesale men and manufacturers are offering; to be, in short, up to date. We do not fill our columns with congratulatory letters from our subscribers, though we get these, and we have not published a screed of this kind for years. But we are adding greatly to our expenses, we are determined to publish the best journal connected with the meat and provision trades in the world, and we want butchers to know this. We give fifty-two weekly numbers of the journal, post free to any part of the United States, for four dollars, and to foreign countries for five dollars per year.

And now about the advertisements. It must be obvious that we could not produce a journal of anything like this character at the price if it were not for the advertisers. May we not, therefore, ask those who think we

are doing our best to serve the trade to help us by giving their best consideration to the announcements of our advertisers? In the collection compiled this week there are multitudes of offers of remunerative business. Some may suit one class of trade, some another. We only ask that these shall be sought for, and that transactions may be encouraged so far as these may result to mutual advantage.

Our retail friends are warned against the summer hotel keeper. He is a hard case as a rule and is always on the lookout for credit favors. The man who runs a summer hotel is rarely a hotel man proper, but some fellow who tries in a few months to make the same amount of money that takes others a year to work for. He buys cheap food on credit if he can, charges his boarders enormous prices, and generally clears out "when the autumn leaves begin to fall," leaving many bills unpaid. Watch out for this man. This is the time of year he starts out "seeking whom he may devour."

To meet competition nowadays one has to keep well in the race and permit no opportunities to pass. Study your trade paper. Watch what others are doing. Investigate new machinery and labor saving appliances and adopt them if you are satisfied of their utility. The great essential is to be up-to-date. Conservatism is all very well and has its virtues. So has the old saying "fair and easy goes far in the day," but it is equally advantageous to be modern and know exactly what is going on in your own business in the age in which you live.

Right on top of unsatisfactory reports concerning trial shipments of butter to the English markets under the auspices of the Department of Agriculture comes the cheering news that an order has just been placed by a London firm of merchants for the entire daily product of the Iowa Agricultural College, which is one of the two places from which the initial shipment was taken. The Iowa College produces 800 lb daily, so that the transaction noted is an exceedingly important one.

Some people won't advertise, but they put signs over the doors, send out travelers, print their imprints on their envelopes and letter-heads and checks, paint signs on their delivery wagons, pay for extra large type in the business directories, and watch the trade papers for items of personal mention. A man sometimes snores in his sleep, but he is unconscious of it.—The Typographical Journal.

PROVISIONS AND LARD.

WEEKLY REVIEW.

AN IRREGULAR BUT ACTIVE SPECULATIVE MARKET

has been experienced again the past week in hog products. Opening easier on Saturday last on liberal estimates of receipts for the coming week, which were 175,000 for Chicago, with 45,000 for Monday, to advance sharply on Monday, notwithstanding the receipts were in excess of the estimate by 2,000, caused by the covering of shorts and forcing of the market by the leading bull packers, to be followed again on Tuesday by a lower opening and a recovery at the close, with quite a sharp break on Wednesday, on realizing and raiding by packers, partly in sympathy with liberal receipts of hogs and lower prices, and partly with the grain markets, in both of which there was considerable taking of profits by the longs, although there was good buying by commission houses at the decline, supposed to be for the packers who led the late advance. These have been the chief features of the week's markets, the strength having been chiefly speculative, without much improvement in cash demand, either home or export, East or West, excepting for clear bellies in the Eastern markets for the Spanish army in Cuba, which is now wholly dependent upon the United States for its meat supply, having exhausted the live stock of the island. Not only have the receipts of hogs been liberal nearly all the week, but the quality has continued good, with the exception of one day at Chicago, when there were a good many rough hogs in the market, while receipts fell off on Tuesday only, otherwise

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EUROPEAN ADVERTISEMENTS.

(SEE PAGES 43 AND 45 ALSO.)

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being liberal all the week. As to the position of the market, it is very mixed, and while the tendency has been bullish, the trade does not seem to take much stock in the late advance, Europe especially holding off, apparently expecting a reaction from present prices. In fact, the late advance has affected nothing but the speculative articles, the spot price of which has been pulled up by the futures, in absence of any but the most limited hand to mouth demand. The only exception to this has been in bellies, as noted, at the East, which have been forced up by the exceptional demand from Cuba, the shipments to which on Wednesday's steamer were said to be the largest on record, namely, 300,000 lb. But that market has dropped out on city lard, as the previous two weeks' heavy shipments had supplied the demand, although the New York market was then so well cleaned up that there has been little pressure to sell since, and prices of city lard have been maintained at nearer the level of Western than usual, as was the case the previous two weeks. But refiners have not come in, either for city or for tank Western, the chief buyer being out of the market, having bought recently quite freely before the advance in the latter, which has been caused largely by the higher market in Chicago attracting shipments there from outside points, to be tierced and delivered on contract, instead of coming to New York, and selling at a discount under a Chicago parity. As to the other side, exporters appear indifferent, not only as to present, but as to near future wants, and have only taken 600 tcs. of Western lard, so far as reported. Local refiners have also taken some tierce Western lard, in the absence of free offerings of tank, which have sold in a very limited way at 3.97½c., at the top of the advance. Domestic trade seems to be remarkably quiet throughout the East, in all branches, hams, both city and Western, having eased off in price, notwithstanding we have entered the active season of the year for this class of products. This, as well as the scarcity of bellies, is explained by the fact that the latter are the cheapest meat in the hog, and are being used largely by the local trade in place of pickled hams, in which latter there has been very little done the past week, especially in Western, in fact, for the past two weeks, for Eastern markets. As to the position of the big speculators in Chicago, it is a Chinese puzzle, no one seeming to know where their neighbor stands. The packers have all done so much backing and filling in the last few months in the open market, while doing the opposite through commission houses at the same time, that it is impossible for an outsider to tell where they stand. Cudahy, if not the Cudahy Packing Company, who have been credited with starting this movement by some in the trade, are charged by others with being short and covering on this advance, which latter does not seem to be borne out by the course of prices, as, to all appearances, they were realizing quite heavily at the top, causing the reaction. Swift, however, was generally reported to be a heavy buyer to cover short contracts, especially in ribs, of which he was such a continued open and persistent seller for weeks prior to the present. Even some have it that Armour was short, and covered during the week, while the majority of the trade have put him down as a long, for some time past, and encouraging the

late bull movement. The English houses have been in and out, especially on lard, some of them getting in at higher prices, some time ago, to throw over a good part of their holdings on the late decline, and buy them back again on the advance, since when they have been both selling and buying, until it has become difficult to keep track of them. As to manipulation of the market, there is not sufficient evidence to judge, although the course of prices has indicated something more than natural influences moving them, one or two days of the week, when sudden and sharp fluctuations succeeded each other with a rapidity that has not been known on this crop, while the reaction has been attributed to leading longs desiring to shake out their followers and get their stuff before putting prices higher. Even Chicago dispatches on Wednesday said that the market was apparently being raided by the packers, while two commission houses were very heavy buyers. That there is something going on in or under the surface of these markets is more than likely, and manipulation from now on is liable to play an important part in fixing prices, as the outside public is beginning to come in, on the idea that a smaller corn crop this year is almost certain, and with it a good prospect for higher prices for that staple, as well as hogs. Besides, consumption at these prices is heavy, and, as shown in our last stocks, are liable to show a reduction after the first of July, if not on that date. The estimates current early in the week at Chicago of July 1 stocks were 103,000 bbls. contract pork, 30,000 bbls. of old, 237,000 tcs. of lard, 48,000 ditto old, and 30,000,000 lb of ribs. Early in the week Hately and the Chicago Packing Company sold ribs and lard, while the former was reported buying later. A Chicago dispatch from a conservative commission house midweek said: "Indications point to a further rise in hog products. Holders are strong people; cash demand, already good, is expected to improve. The European hog supply is much smaller than last year; prices are very low, and we advise the purchase of this commodity." That is, perhaps, a fair epitome of current speculative opinion, which has been slowly shifting for some time to the bull side, to which strength has been added, as noted above, by less favorable corn crop prospects than last year.

Beef products have scarcely shown a feature, as trade is too light, in cured products, as well as stocks, to make these much more than nominal markets for a greater part of the list. Canned meats and beef hams, as well as low grades of beef, made from Texan cattle, are all in limited supply, owing to scarcity of that grade of stock, the old crop having been well exhausted and the new crop not yet ready for market. A dispatch from Omaha early in the week, if true, indicates serious losses of a new kind to cattle in that State. It said: "Serious losses among a number of herds in eastern counties of Nebraska are reported due to hydrophobia, which is considered contagious. Already nearly 500 cattle in those sections have been reported dead, while the State authorities have been appealed to to take some action in the matter."

On Saturday the Chicago market opened 10c. off on pork and recovered 2½c.; 5c. off on lard and recovered the loss; 5c. off on ribs, to remain at the bottom for July, while Septem-

ber closed 7½c. off on pork, 2½c. up on lard and 2½c. off on ribs. Receipts of hogs there were 26,000, against 19,000 estimated. In New York nothing was doing and prices were nominally unchanged at 4.10c. for Western lard in tcs., 3.65@3.70c. for city, with other articles at previous quotations.

On Monday receipts of hogs at Chicago were 47,000, against 45,000 estimated. Pork advanced 3½c. on July, broke 17½c. and recovered 12½c., closing 22½c. up for day. Lard opened 5c. up, advanced 12½c. @ 15c. more, and closed at the top for the day and 20c. higher on both July and September, with a very active trade in both staples, as well as in ribs, which opened 5c. up, advanced 10@12½c. more and closed at the top. In New York there were sales of cash Western lard in tierces, for export, at 4.20c. for 100 tcs., small sales of city at 3.80c. and one tank Western at 3.97½c., with 500 bbls. of pork at \$8.50@9 for mess. In city meats a good local jobbing trade was doing at 5½c. for 12-lb rib bellies, 5½c. for 14-lb, 6¼c. for 10-lb and 6c. for clear.

On Tuesday receipts at Chicago were 21,000, as estimated, and 5@10c. up, with 17,000 at Kansas City and 9,000 at Omaha. The market for products was irregular, breaking 15c. to recover 12½c., and close 2½c. @ 5c. off for the day. Lard opened unchanged to 2½c. up and closed unchanged for the day, after being 2½c. higher and 5c. lower. Ribs opened unchanged to 2½c. off, and closed thus for the day, after an active trade. In New York 250 tcs. Western lard sold at 4.25c. to the local trade, 100 refining grade of city at 3.85c., and 400 bbls. pork at previous quotations. Sales of city hams and shoulders, 2,000 pieces each at 5½c. @ 5½c. for the latter and 9@9¼c. for the former, or ¼c. @ ¼c. off late top prices.

On Wednesday receipts at Chicago were 38,000, against 37,000 estimated; 15,000 at Kansas City, 8,500 at Omaha, with 35,000 estimated for Thursday. Product opened 10c. off for pork, rallied 2½c., and after various fluctuations closed 17½c. off for the day after an active trade. Lard opened 5c. off, lost 5c. more, closing at the bottom. Ribs opened 2½c. off and closed 10@12½c. lower for the day. Cash Western lard was nominal at 4.20c. New York, with sales of 100 city at 3.75@3.80c. A tank of Western sold at 3.97½c., 200 bbls. pork sold at unchanged prices, with only jobbing sales reported of city meats at unchanged prices. But 500 tcs. through Western lard were taken for the English markets on the decline.

(For Later Report See Page 40.)

OUR MEAT CONSUMPTION.

No country in the world equals the United States in meat production, and none in meat consumption unless we concede the claims of Australasia. Great Britain consumes about two-thirds as much in proportion to population. France about half and Germany not much more than a third. We eat less wheat than France, but far more than any other of the Continental nations, and more maize than any other country. With what we eat and waste of edibles of all kinds, if properly distributed, the poorest inhabitant need never go hungry; and doubtless fewer people suffer for want of food here than in any country on the planet.—J. R. Dodge, Washington, D. C.

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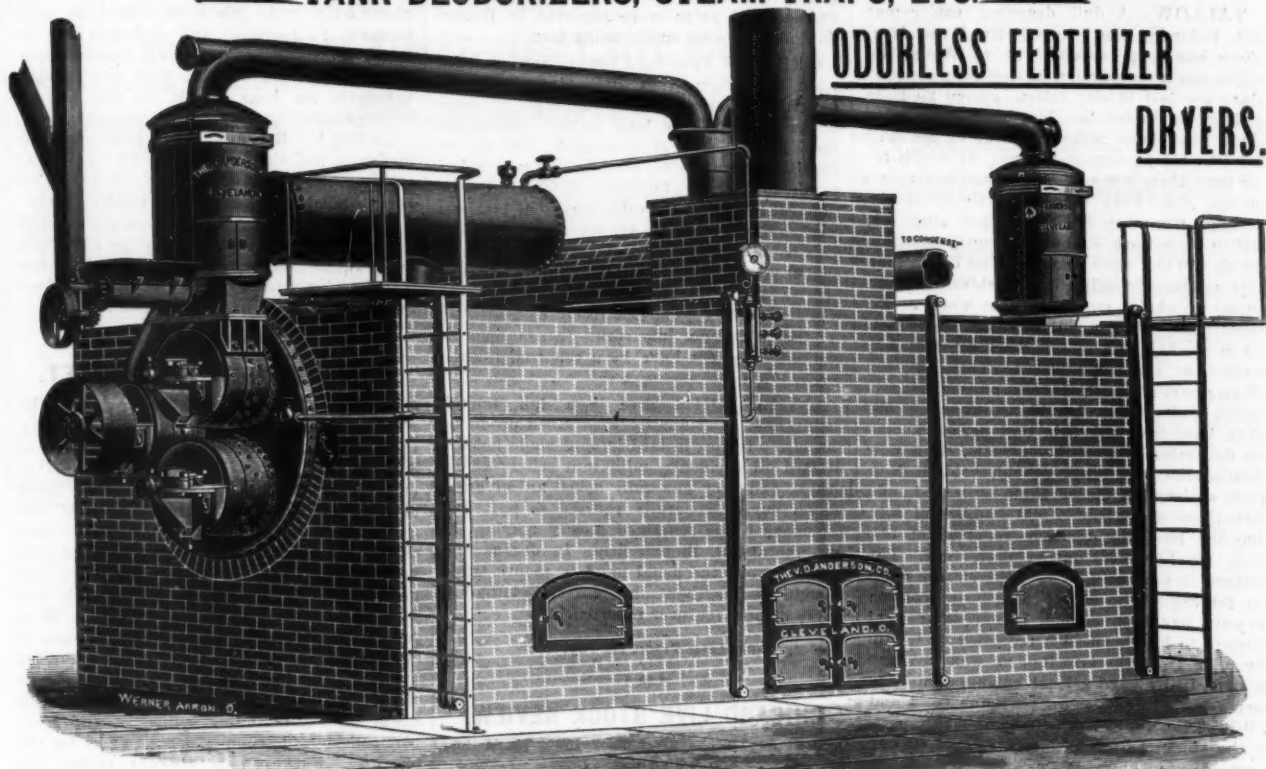
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TALLOW AND STEARINE. WEEKLY REVIEW.

TALLOW.—A dull, dragging, easier market, following the late activity West, is all there has been to record up to Wednesday night, not a transaction having been reported since our last in city tallow, except 25 hhds. at 3½c. for export late last week, since when there have been sellers at that figure, with 3 1-10c. bid for export account, at which latter price there are said to be some fair orders in the New York market. Outside of this nothing whatever has transpired since our last in New York, except in country stock, of which 150 tes. were taken for the U. K. markets at 3½c. for edible, and 200,000 lb of ordinary to choice stock late last week at 3@3½c., since when about as much more was taken the first half of this week by local soap makers at the same prices. This leaves a greater part of the production of the past two weeks of city tallow unsold, as only about 500 hhds. have been taken in that period, including deliveries on weekly contracts. It is now claimed that the stock of old, held in New York so long, is larger than estimated, and that there are about 2,500 hhds. still left, since the late sale recently reported of 500 hhds. for Liverpool out of that stock. The balance is now said to be held off the market for 3½c. The supply of country coming forward has been enough in excess of local demand to have caused a recession of ½c. in the price from the late top, as was the case in city. In Chicago a local business only has been reported at 3½c. for packers' No. 1 and 2 9-16@2½c. for No. 2, since our last report, as the stock there was lately cleaned up, as reported previously by us. London market was dull, unchanged, 2,500 casks offered and only one-quarter sold.

STEARINES have been held higher for lard, in sympathy with raw material, with little refining or export demand reported, East or West, as pressers are said to be well sold up, with city held at 5½c. and Western at 5¼c. New York, though it is doubtful if they would bring over 1c. less for either. Oleo stearines have been held stronger on light supplies, since the late activity, at 4½c. New York, at which 125,000 lb were sold late on Friday last to local refiners, since when 50,000 more have been taken by the same parties at the same price. Early in the week, or late last week, a resale of 100,000 lb was made by an exporter in Chicago at 4½c., since when 4½c. has been quoted until Wednesday, when 4½c. was asked, without further sales reported. In grease stearine there was a better business late last week and not reported in our last, 5 cars of yellow having been sold at 3 1-16c. New York, since when it has been held at 3½c., with white nominal at 3¼@3 5-16c., with little export inquiry reported and no further transactions.

OLEO OILS, however, have been decidedly active since our last for prompt shipment and for early autumn, at an advance to 40 florins, delivered in Rotterdam, at which large transactions were reported on Monday and Tuesday, with 42 florins asked and 40 florins bid for October, which was refused by the Chicago pressers, who did not care to sell their product so far ahead. But the amount of these forward sales have not been reported. In Rotterdam less has been done on the spot than last week, owing to the scarcity of stock, only 400 bbls. of prime being left over last Saturday, while no steamer had arrived up till Wednesday night, and therefore nothing reported, though the market was quoted at 40 florins, against 38 the top and 37 the opening of last week. This movement is a marked revival in the trade, being the first demand

of this kind and volume for many months, while both buyers and sellers seem to have confidence, at least in the maintenance of present prices, if not in a further advance. Sales of 800 of Harrison's, United, Helmet and Morris' extra were reported in Rotterdam at 38 florins on Saturday last.

GREASES have been lower than quoted a week ago, when they were nominally advanced in sympathy with the West by some holders, on the late large export transaction there in all classes of soap stock. But the refusal of exporters to pay the advance asked resulted later in business at former quotations, at which considerable was done late last week and early this, part for export trade, 4 cars being reported at 2@2½c. for common to choice brown, 2½@2¾c. for yellow with sales of two or three cars at latter prices also, while white was sold less freely at 2½@3½c. At the West no important transactions or changes in prices have been reported for the week.

ANIMAL OILS have been dull, though firmly held in sympathy with allied products, the late advance in lard having made holders of lard oil decidedly indifferent sellers at old prices, and they generally asked an advance, which buyers generally refused to pay, and the market has remained mostly nominal at our quotations, though firm. In degrass and neatsfoot oils the usual hand to mouth trade is continued, without any material change in prices or new features reported.

(For Later Report see Page 40.)

CHICAGO LIVE STOCK REVIEW.

(Written for THE NATIONAL PROVISIONER by Mallory Son & Zimmerman Co.)

HOGS.—As suggested by us many times during the past few months, general conditions throughout the country continue to show improvement, and the volume of business, prices for securities and other commodities show a good healthy advance, compared with the low prices which have prevailed during the past few years. The demand for hogs and hog product continues active, and although the receipts of hogs during May and June were the largest on record at all Western markets, the demand was such that the trade ruled active throughout and prices did not reach the low level of last year. Notwithstanding the heavy supply of hogs stocks of provisions, with the exception of lard, do not show much increase, and with even a seasonable reduction in the receipts during the next three months we still believe prices will rule higher. As our readers well know, we do not believe in discounting the future, as every one should be satisfied if he can successfully handle the present, especially in the live stock shipping business. We still have confidence in the market for hogs, and advise our readers to keep in the trade regularly, buy and ship as fast as stock is ready, and before the season is over we believe the account will show up on the right side. The quality of the offerings shows a gradual falling off, and while we will doubtless have comparatively liberal receipts for some time, we look for a gradual reduction, and with the increased demand which we are bound to have, we believe prices will rule some higher in the near future. Whenever hogs sell above \$3.50 in this market we will have some increase in the receipts, and we are liable to have some reactions before prices permanently reach a much higher level, but every time the receipts increase on account of an advance in prices, it will, in our opinion, cause a closer marketing of matured hogs, and as we have not the usual number of old hogs to draw from we are more liable to feel any shortage that may occur later in the fall, or before this year's

pig crop can be matured. For all who are liable to want provisions during the summer we still believe it good policy to take them freely at the prices, as they are certainly cheaper than most commodities. The advance above \$3.50 early this week caused the usual increase in receipts, and although the demand continues good, prices reacted somewhat, but closed steady, with the prospect favorable for hogs bought to sell here at \$3.40@3.50.

CATTLE.—Receipts of cattle continue moderate and the export demand was better, causing a reaction of 10@20c. in prices for good to choice beefs. Other grades steady.

SHEEP AND LAMBS.—Receipts continue liberal, especially of lambs, prices ruling the lowest of the season, and are now considerably below last year's prices. We look for better prices during July and August.

CHICAGO PROVISION MARKET.

The speculative market in provisions this week has maintained its upward tendency, there being an advance since last week of 30c. on July pork, 37½c. on July lard, 17½c. on July ribs. The demand has been fairly active. The general surroundings of the trade were decidedly favorable to the long side of the market. The receipts of hogs were not quite as large as were anticipated and prices ruled higher. The only bearish feature was the returns of packing in the West for the week, which showed an increase of 80,000 hogs, as compared with the same week in 1896. The increase since March 1 is now about 575,000 hogs. Shorts were anxious about their outstanding contracts, and there was considerable competition at times for the offerings. Packers sold liberally around the outside figures. On Tuesday there was important buying of lard through brokers, credited to Armour and Swift. Stone, Lindblom and Hatley were conspicuous as buyers. The crowd thought that there was some selling by Cudahy. Cash demand moderate; to be expected after such an advance. The indications for the coming week are in favor of a continued advance all along the line, European markets taking more goods and the domestic demand, especially from the South, increasing materially. To-day's market shows a slight falling off in prices, but not enough to check the general advance. Lard continues to be the ruling feature, and is gradually gaining on ribs.

Chicago packers slaughtered hogs last week as follows: Armour 28,300, Anglo-American 20,800, Boyd & Latham 10,500, Chicago 15,200, Continental 12,500, Hammond 3,500, International 15,000, Lipton 9,400, Morris 10,000, Swift, 18,700, Viles & Robbins 6,300 and city butchers 6,500, making a total of 156,700, against 178,800 the previous week, 137,000 a year ago, 76,000 two years ago.

RANGE OF PRICES.

THURSDAY, JUNE 24.

	Open.	High.	Low.	Close.
PORK—				
July.....	7.62½	7.62½	7.52½	7.52½
September..	7.70	7.72½	7.57½	7.60
LARD—				
July.....	3.95	3.97½	3.90	3.90
September..	4.07½	4.10	4.00	4.00
RIBS—				
July.....	4.47½	4.47½	4.40	4.42½
September..	4.52½	4.57½	4.47½	4.50

FRIDAY, JUNE 25.

	Open.	High.	Low.	Close.
PORK—				
July.....	7.45	7.57½	7.45	7.55
September..	7.55	7.70	7.50	7.65
LARD—				
July.....	3.87½	3.95	3.87½	3.95
September..	3.97½	4.05	3.97½	4.05
RIBS—				
July.....	4.40	4.47½	4.40	4.47½
September..	4.47½	4.52½	4.45	4.52½

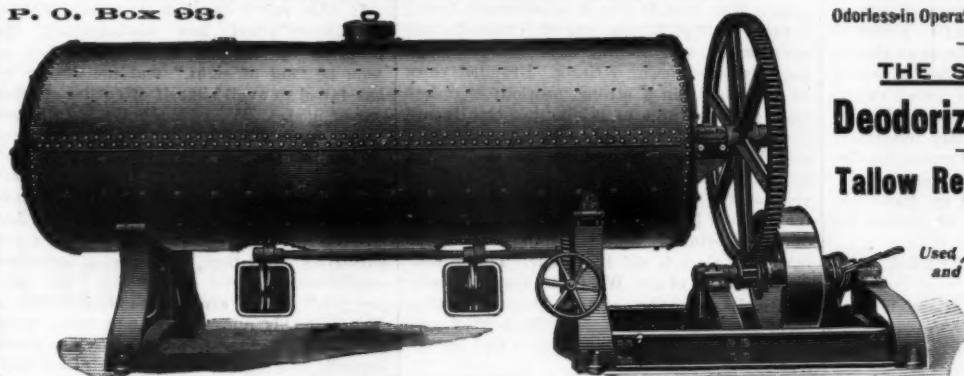
(Continued on page 18.)

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Oil and Butterine Factories and Lard Refineries.

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MANUFACTURERS OF PATENT IMPROVED FERTILIZER

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Odorless in Operation. Give universal satisfaction

THE SMITH PATENT**Deodorizing Condenser**

Tallow Rendering Tanks,
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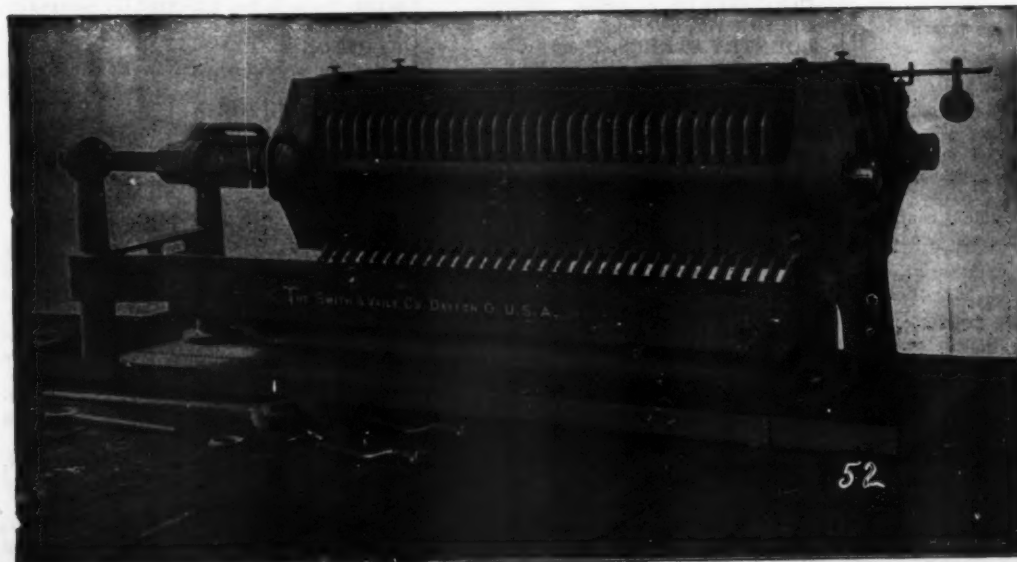
Used in the leading Packing-Houses
and Abattoirs and by the principal
Butchers throughout
the country.

SEND FOR CATALOGUE AND
PRICE LISTS.

THIS SPACE IS RESERVED

FOR

THE E. VAN WINKLE GIN AND MACHINE WORKS,
ATLANTA, GA.

**FILTER
PRESSES**

Specially constructed for the
Filtration & Clarification
of Animal and Vegetable
OILS AND GREASES

ALSO

Refrigerating
Machines,

From 1 Ton up to 10 Tons,

Specially built for

Large Retail Butchers

AND

Packing Houses.

THE STILWELL-BIERCE & SMITH-VAILE CO., DAYTON, O.

New York House, 114 Liberty St.

Catalogues Furnished.

Chicago House, 63 S. Canal St.

HIDE AND SKIN MARKETS.

CHICAGO.

PACKER HIDES.—Trade has been more brisk during the past week than for some time. Many good sales at full prices have been made, and figures are very strong. An advance is asked on nearly every variety of packer stock, and every indication points to a still further increase, and it looks as though the conservative spirit manifested by many of the tanners would probably prove expensive to them, as a majority of them will very likely have to purchase to satisfy immediate needs ere long. The appended quotations indicate the present strength of the market.

No. 1 NATIVES, 60 lb and up, have sold freely at 10c., with a majority of holders demanding 10½c.

No. 1 BUTT-BRANDED STEERS, 60 lb and up, have advanced to 9¼c.

COLORADO STEERS, 60 lb and up, are offering at 9c.

No. 1 TEXAS are said to have sold at 9¼c. and are being held for 10c.

No. 1 NATIVE COWS, 55 lb and up, free of brands, are quotable at 9¼@9½c.; under 55 lb, 10c.

BRANDED COWS are in meager supply and are offering at 9c.

NATIVE BULLS are quotable at 7½@7¾c.

COUNTRY HIDES.—This market preserves a steady tone and bidding has had a tendency to elevate prices and imbue butchers with a spirit of independence. Stock is scarce and the expectation of higher prices seems well warranted. We quote:

No. 1 BUFFS, 40 to 60 lb, free of brands, have advanced to 9c.; No. 2, 8½c.

No. 1 EXTREMES have had some call and are quotable at 9¼@9½c.

No. 1 NATIVES, 60 lb and up, are light in supply and demand and are quotable at 8¼c.

BRANDED STEERS AND COWS are neither numerous nor in demand, but remain steady at 7½@7¾c.

HEAVY COWS, 60 lb and up, are selling freely at 8½c.; No. 2, 7½c.

NATIVE BULLS are not in active request and there are few available. They are offering at 7¼@7½c.

CALFSKINS continue firm with a decided tendency to advance, although prices asked interfere with sales. No. 1 have sold at 11½c. and 12c. is being asked.

KIPS, 15 to 25 lb, continue firm at 9¼c. for No. 1.

DEACONS (light weights) are selling readily at 45c.

SLUNKS are in less generous supply and have advanced to 25c.

HORSE HIDES are in good demand and light supply, and are quotable at \$2.85@\$2.90, with some held at \$3.

SHEEPSKINS.—The traffic continues light, although conditions are somewhat improved. We quote:

PACKER PELTS, 75c.@\$1.25.

COUNTRY PELTS, 70c.@\$1.

PACKER SHEARLINGS, 22@27½c.

COUNTRY SHEARLINGS, 10@18c.

KANSAS CITY.

There is no doubt but that for the past few weeks the packer hide man has been, and is still, in his glory; his pathway has been a very flowery one, and every step taken is in a higher notch of value. No matter how loud the tanners' protest, no matter how many swear by their gods that they are out of the market, enough victims have come forward, and seemingly gladly and eagerly paid the prices that packers demand for their hides.

All the hides of early slaughter have disappeared from the packers' cellars, and that at good prices. The old native steers have disappeared, and for the present slaughter the packers are seemingly firm at from 9¼@10c. and it would seem as if steers would harden—if not actually go higher—as the kill naturally at this season of the year is getting continually smaller as the summer months advance. Butt-brands also in considerable favor; a value of 9¼c. is now scored. Colorados are very scarce, and nothing less than 8¼c. will purchase at present writing. Branded cows are seemingly in a strong position; 8¼c. has been paid; a value of 9c. in the near future is not unexpected. Texas steers are now and will be in fair supply, but already packers are talking of the prices received in the fatal year of the boom. It remains to be seen if the tanners have the nerve to again try this costly experiment, but everything looks more favorable than it did that year. The almost assured crops of the West will scatter money plentiful among the farmers, thereby making them ready purchasers, and when they are, every article of trade is bound to feel the effect.

SHEEPSKINS.—The kill for the past week was not as large as usual; the skins taken off found ready sale, but at no higher prices than that quoted last week, say, 20@22c. for sheared, 27c. each for pullers. Some 2,500 Mexicans, selected for stock, sold at 25c. each. A bunch of spring lambs sold at 35c. each. No stocks of any amount on this market at present writing.

BOSTON.

The hide market is very firm, despite which Eastern tanners persistently ignore opportunities to buy advantageously. Stock is scarce and holders stiff in their demands. We quote:

BUFF HIDES, 8½@8¾c.

NEW ENGLAND HIDES, 8¼c. flat; some are being held for 8½c.

CALFSKINS continue strong with expectation of advance. Receipts well sold up.

SHEEPSKINS.—The market is quiet and featureless.

PHILADELPHIA.

This market continues strong with scarcely a ripple to disturb the calm commercial atmosphere. Stock is well sold up and an advance is anticipated. Quotations are unchanged since last report.

CITY STEERS, 8¼@8½c.

CITY COWS, 8@8½c.

COUNTRY STEERS, 7¼@8¼c.

COUNTRY COWS, 7¼@8c.

BULLS (all weights), 6@7½c.

CALFSKINS.—Market firm with no change in quotations.

SHEEPSKINS.—Late skins are in active request. We quote:

CITY PELTS, 90c.@\$1.

SHEARLINGS, 20c.

LAMB SKINS, 30c.

NEW YORK.

CITY SALTED HIDES.—Stocks are light and prices have advanced and will probably go higher. The local market is not especially active and little business is expected until after next Monday. We quote:

No. 1 NATIVES, 60 lb and up, sold this week at 10c. and many are being held at 10½c.

BUTT-BRANDED STEERS, 60 lb and up, have advanced to 9¼c.

SIDE-BRANDED STEERS, 60 lb and up, are worth 9c.

CITY COWS, 9c.

NATIVE BULLS, 7¼c.

COUNTRY COWS, 8½c.

CALFSKINS.—The market is decidedly strong, having advanced to 16c. for No. 1's and 14c. for No. 2's.

HORSE HIDES, \$2.50@\$2.75.

SHEEPSKINS are in limited supply, with an indifferent demand. Prices are contingent on qualities, and range from 25c. to \$1.25.

SUMMARY.

If hide prices continue to climb with the persistency that has distinguished their progress for the past few weeks, they will soon be "out of sight," and the tanner who has failed to avail himself of earlier offerings, out of pocket. Western tanners have already "risen to the occasion," and are taking precedence of (and hides from) their Eastern brethren, who are evidently disposed to sacrifice revenue to conservatism. As we ventured to intimate in our humble way, prices have steadily increased with the advance of a comparatively short time, and barring unforeseen conditions, it would appear that "the end is not yet." There are three excellent reasons (and probably many more) why hides should go higher. In the first place, they are scarce; secondly, the opposition to higher priced leather has been virtually overcome, and last, but not least, there should be a greatly increased call for stock after the 15th of July. Traffic has improved during last week in Chicago, but has lacked vim in the Eastern markets, despite which prices have not only been well maintained, but have in most cases advanced. We quote:

CHICAGO PACKER HIDES—

No. 1 natives, 60 lb and up, 10c.; No. 1 butt-branded steers, 60 lb and up, 9¼c.; Colorado steers, 60 lb and up, 9c.; No. 1 Texas, 9¼c.; No. 1 native cows, free of brands, 55 lb and up, 9¼@9½c.; branded cows, 9c.; native bulls, 7½@7¾c.

CHICAGO COUNTRY HIDES—

No. 1 buffs, 40 to 60 lb, free of brands, 8¼c.; No. 2, 8½c.; No. 1 extremes, 9¼@9½c.; No. 1 natives, 60 lb and up, 8¼c.; branded steers and cows, 7¼@7½c.; heavy cows, 60 lb and up 8¼c.; No. 2, 7½c.; native bulls, 7¼@7½c.; calfskins, 11½c.; kips, 9½c.; deacons, 45c.; horse hides, \$2.85@\$2.90. Sheepskins—Packer pelts, 75c.@\$1.25; country pelts, 75c.@\$1; packer shearlings, 22@27½c.; country shearlings, 10@18c.

NEW YORK CITY—

No. 1 natives, 60 lb and up, 10c.; butt-branded steers, 60 lb and up, 9¼c.; side-branded steers, 9c.; city cows, 9c.; native bulls, 7¼c.; country cows, 8½c.; calfskins, 14@12c.; horse hides, \$2.50@\$2.75; sheepskins, 25c.@\$1.25.

BOSTON—

Buff hides, 8½@8¾c.; New England hides, 8¼c.

PHILADELPHIA—

Country steers, 7¼@8¼c.; country cows, 7¼@8c.; country bulls, 6@7½c.

HIDELETS.

Oscar Scherer, of the firm of Chas. Hauselt, Spruce street, New York City, has returned from a combination business-pleasure trip in the North and West.

Thomas Peck, the well-known tanner of sole leather, has returned from a Southern trip.

The James N. Duffy Tannery Co., of Eldred, Pa., has incorporated with a capital stock of \$100,000.

Howell, Hayes & Co., the Middletown (N. Y.) tanners, will shut up during the week of July 5.

W. A. Foster, the Boston leather dealer, has purchased the tannery of the Payne Spring Tanning Co., of Cumberland, Md.

Edward P. Cassidy, the Boston hide broker, has opened an office at 93 High street.

The W. J. Wilcox Lard and Refining Company

NEW YORK.

Pure
Refined
Lard.

W. J. WILCOX & CO.



The
Globe
Brand.

Established 1862.

REFINERS FOR EXPORT ONLY.

Established 1842.

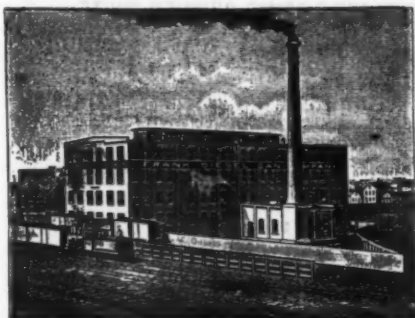
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21, 23, 25 Faneuil Hall Market, **BOSTON, MASS.** 39 and 40 North Market Street.

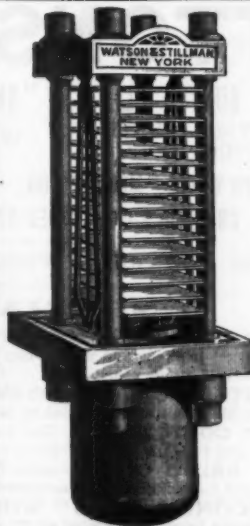
FRANK DIESEL CAN CO.



MANUFACTURERS OF
Lard Pails and Meat Cans,
PLAIN AND DECORATED.

Tin Cans and Sheet Metal Work of
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Hydraulic Presses
PUMPS.

Over 100 Varieties.

FILTER PRESSES,
PRESS CLOTHS, VALVES,
GAUGES AND FITTINGS.

THE WATSON-STILLMAN CO.,
202 EAST 43d STREET,
Send for Catalogue A B. NEW YORK, U. S. A.

OUR YELLOW BOOK
SEE COUPON PAGE 22.

The Boston Belting Co. paid a quarterly dividend on July 1.

About 9,000 hides are consumed weekly in Newark, N. J.

Wm. McCarroll, the Spruce street, New York, tanner, will shortly sail for Europe.

B. J. Solomon, the well-known Spruce street, New York City, leather importer and member of that well-known tanning concern, the Armstrong Leather Co., is taking a vacation in the Catskills.

Frank Burt, of the Burt Tanning Co., of Mannington, W. Va., has returned to New York.

CHICAGO PROVISION MARKET.

(Continued from page 14.)

SATURDAY, JUNE 26.

PORK—				
July.....	7.45	7.50	7.45	7.47½
September...	7.60	7.60	7.50	7.57½
LARD—				
July.....	3.90	3.95	3.90	3.95
September...	4.00	4.05	4.00	4.05
RIBS—				
July.....	4.40	4.42½	4.40	4.42½
September...	4.47½	4.50	4.47½	4.50

MONDAY, JUNE 28.

PORK—				
July.....	7.55	7.80	7.50	7.75
September...	7.65	7.90	7.60	7.85
LARD—				
July.....	4.00	4.15	4.00	4.15
September...	4.10	4.27½	4.10	4.25
RIBS—				
July.....	4.45	4.57½	4.45	4.55
September...	4.50	4.65	4.50	4.62½

TUESDAY, JUNE 29.

PORK—				
July.....	7.67½	7.72½	7.60	7.70
September...	7.80	7.85	7.70	7.80
LARD—				
July.....	4.12½	4.17½	4.10	4.15
September...	4.25	4.27½	4.20	4.25
RIBS—				
July.....	4.55	4.55	4.50	4.52½
September...	4.65	4.65	4.55	4.62½

WEDNESDAY, JUNE 30.

PORK—				
July.....	7.60	7.62½	7.52½	7.52½
September...	7.75	7.77½	7.65	7.67½
LARD—				
July.....	4.10	4.10	4.02½	4.05
September...	4.20	4.20	4.15	4.15
RIBS—				
July.....	4.50	4.50	4.40	4.42½
September...	4.60	4.60	4.52½	4.55

TIPS ON THE MARKET.

Mr. Tredwell, of Tredwell & Simpson, says that he would advise buying on any break in the market, and he looks for a continued advance in prices all along the line.

I have failed to find one broker on the bear side of the market, some saying that the only thing which will have a tendency to lower prices is the large receipts of hogs, and in spite of the fact that the run of hogs the past week has been large, still the market has decidedly advanced, showing that the demand for provisions is increasing. One prominent broker gave it as his opinion that before the commencement of another packing season ribs would sell for 7c. A great many others were not as sanguine as to so material an advance, but look for good prices on everything.

Taking into consideration the decided advance of the past week, with the character of the purchases and buyers, also opinions of brokers, everything at present prices is a purchase.

* Packing of hogs West this week, 435,000, against 460,000 last week and 350,000 last year. Average weight of hogs packed at Chicago for June was 240 lb, against 249 lb a year ago. This again disproves all the talk

of extreme heavy hogs this year, which has been heard all this season, and shows an increased falling off in weights as the season advances.

NEW YORK PRODUCE EXCHANGE NOTES.

Membership tickets show no sign of improvement in price. Speculators are sanguine of an advance, however, and see no risk in purchasing at present low rates.

The members of the Produce Exchange decided by a large majority to observe to-day as a holiday, as well as next Monday, which is legally a holiday. The number of ballots cast was 469 against 19.

The following gentlemen have been proposed for membership: John Von Glahn and Carsten H. Fitter, both of the wholesale grocery and provision house of Von Glahn Bros., Myrtle avenue, Brooklyn, by Henry Von Glahn, seconded by A. B. Raymond.

Mr. James B. McMahon, managing salesman for the N. K. Fairbank Co., Chicago, is paying one of his regular visits to New York just now. His many friends regret these visits are not more frequent.

Among the visitors to the floor during the week we noticed the following: Edward Nitre, Baltimore; C. M. Paine, Milwaukee; A. R. James, Buffalo; Chas. Ellis, Jr., Savannah; J. A. Robinson, Kansas City; J. C. Miller, Chicago, Ill., and M. Gathman, Philadelphia.

At a meeting of the board resolutions were adopted commendatory of the policy of Mr. Henry D. McCord as president, and thanking him for his faithful service during his term of office.

E. H. FERGUSON, President. R. C. WAGGENER, Treasurer. J. J. CAFFREY, Secretary.

KENTUCKY REFINING CO.

LOUISVILLE, KY., U. S. A.

Refiners of All Grades of

COTTONSEED OIL.

"ECLIPSE" BUTTER OIL.

"SNOWFLAKE" PRIME SUMMER WHITE.

SUMMER { White C/S Oil.
 { Yellow C/S Oil.

WINTER PRESSED { White C/S Oil.
 { Yellow C/S Oil.

SUMMER AND WINTER WHITE "MINERS" OIL. YELLOW AND WHITE COTTONSEED STEARINE.
CRUDE C/S OIL. "RED STAR" SOAP. SOAP STOCK.

TANK CARS FURNISHED FREE FOR SALES OR PURCHASES.

SPECIALTIES:

"SNOWFLAKE" PRIME SUMMER WHITE. This oil is prepared especially for Lard Compounds; is sweet and wholesome, being bleached without a particle of acid. A trial means you will use no other.

"ECLIPSE" BUTTER OIL. A strictly choice Vegetable Oil, selected and prepared especially for Butter Manufacturers; equalled by none other for quality and uniformity.

"DELMONICO" COTTON OIL. This brand of Cooking Oil needs no introduction; speaks for itself, and for Culinary Purposes is synonymous with finest.

"NONPAREIL" SALAD OIL. A strictly Winter Pressed Oil, prepared expressly for Dressings, Culinary and Salad Purposes; guaranteed to remain bright and limpid at 32° Fahr.

"KENTUCKY REFINING CO.'S" WINTER PRESSED OILS. Guaranteed pure and to remain bright and limpid at 32° Fahr. The very best made for any climate.

Quotations furnished upon application.

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Cable Address: "REFINERY," LOUISVILLE.

Joseph Jefferson.

The Famous Actor Looked About
Our Factory and Said:

"This is the greatest institution I ever saw in my life. You have combined here utility and philanthropy. You make money, and you make happiness at the same time. To conduct a great business, which stretches out all over the world, and to practice, at the same time, the practical gospel of good will to men is about as far



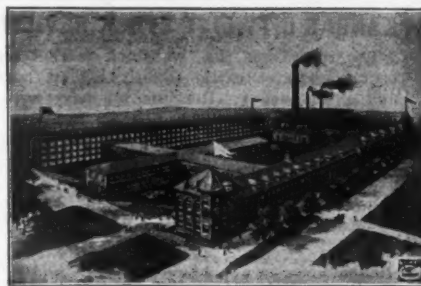
MR. JOSEPH JEFFERSON.

as any one can go until we get wings.

"The system which you sell to retail merchants reaches its highest perfection in your own plant.

"Panics do not hurt people who run their business as you do. The atmosphere of your establishment stimulates industry and good feeling. When hard times come and it is difficult to make sales, people like yours simply work enough harder to make up for it. I should like to take a little part in the work you are doing," concluded Mr. Jefferson, "and when I come to Dayton again I should be glad to give your people a free lecture."

If you will send us your name, address, business, number of clerks you employ, percentage of business done on credit, and state whether or not you employ a cashier, we will send you in return, free of charge, a handsomely-printed description of a cash register system for use in stores like yours. The National Cash Register Company, Department F, Dayton, Ohio.



Factory of The National Cash Register Company.

Big Facts.

Why The National Cash Register Company Can Manufacture and Sell
Cheaper Than Any Other.

It employs 1,400 people.

Its factories cover eight and one-half acres of floor space.

It makes nothing but cash and autographic registers.

Its rights are protected by 335 patents.

It has 131 offices in all parts of the world.

It makes 90 different styles and kinds of cash registers.

It has sold over 117,000 cash registers.

Its registers are used all over the world.

It received 2,046 orders for registers in April, 1897.

It inspected 1,902 registers in April, 1897.

It shipped 1,886 registers in April, 1897.

It is doing more business in 1897 than ever before in its history.

25 in 25 Stores.

He Wouldn't Try to Do Business
Without One.

Mr. T. P. Hunter owns twenty-five retail grocery stores in Philadelphia, and uses a National Cash Register in each of them.

In a recent letter to us he says:

"About three years ago my attention was called to your No. 79 National Cash Register. Becoming interested, I placed an



MR. THOS. P. HUNTER.

order for one machine. Receiving perfect satisfaction from this, I ordered fifteen more, and subsequently ordered nine additional, making twenty-five, the number I now have in use in my stores.

"By the use of the registers I am able to tell at a glance how trade is running in each store, whether business is increasing or decreasing, and which of my clerks are making the sales.

"I would not attempt to run one of my stores without your No. 79 National Cash Register."

T. P. Hunter

In other words, that at 21½c. in New Orleans and 23½c. in New York some business might be done in prime summer yellow for export. This is absolutely all that can be said of the market up to this writing, as it is so stupidly uninteresting that the trade itself hardly goes on 'Change to try even to do business, especially as many of them are offering no stock at all, but simply attend daily to see if anybody is doing anything. As to the other side, nothing new has been reported, and there is no appearance of increased demand from that source in the near future, though holders of the bulk of our stock still have confidence that the other side will have to come in for all that is left of our old crop before another one is available; hence their confidence. The markets for lard and beef fats seem to have as little influence on cotton oil as they have for some time past, and the slight reaction from late top prices in both has apparently had no effect on the oil market, which is practically controlled by one or two houses. There has been nothing in the cotton crop outlook as yet to influence buyers or sellers of oil, as it is too early to be effected much if any by such considerations, when there is no speculation going on. The crop outlook, however, has generally improved, and the early unfavorable conditions from late planting and cold weather following are being largely overcome in most sections of the cotton belt.

(For Later Report see Page 40.)

GREEK SOAP INDUSTRY.

In Greece the soap industry is becoming of importance. In the last three years the value of the soap exported has risen from £12,000 to £28,000. There are thirty-seven soap manufacturing in Greece, and the value of the plant employed is £45,625. The total amount of soap produced last year was 8,125 tons, of which 1,850 tons were exported. The import of soap into Greece, except sanitary and perfumed soap is very small, and the total of all soap imported (including the high-class toilet soaps) sank from fifty-eight tons in 1890 to fifty-three tons in 1895. Turkey imports by far the largest quantity of Greek soap. A Consular report from Corfu states that there was an excess of about £2,000 perceptible in the value of soap exported from that island in 1896, compared to the year before. The making of soap is of vast importance to the trade of the island; the average quantity annually exported is estimated at from 9,000 to 15,000 cases; it is mostly sent to Continental Greece, Albania, Epirus, and other Turkish provinces, as well as throughout the Levant. Oil, wine and soap are the chief productions of this island. In this connection pyrene oil, as known to the trade, may be mentioned as a native industry, the making of which is carried on by two firms of soap boilers. It is used in the manufacture of soap. It is made from the residue of the olives after the extraction of the pure oil.—London Grocer.

Jenkins—I see you and Smithers have dissolved partnership. What was the trouble?
Hamblen—Oh, the fool thought he had a half interest in the typewriter, that's all.

KANSAS CITY LIVE STOCK REVIEW.

The records of the live stock market for past week give cattle slightly higher, hogs and sheep steady. Receipts for past week, with comparisons:

	Cattle.	Hogs.	Sheep.
Kansas City	22,897	69,971	20,021
Same week 1896...	25,473	58,841	17,741
Same week 1895...	32,055	38,886	10,478
Same week 1894...	18,855	45,397	6,208
Same week 1893...	30,725	58,850	10,109
Chicago	44,200	174,400	53,000
Omaha	14,900	42,600	4,800
St. Louis	12,100	25,000	9,500
Kansas City	22,900	70,000	20,000

Total	94,100	312,000	87,300
Previous week	111,400	341,800	102,800
Same week 1896...	96,200	287,200	108,200
Same week 1895...	100,000	189,600	96,000
Same week 1894...	79,300	227,100	59,600
Same week 1893...	120,000	288,000	89,800

Kansas City packers' slaughter:

Armour Pack. Co...	5,283	25,232	4,088
Swift & Co.....	3,953	16,398	2,950
S. & S. Co.....	4,503	1,744	2,097
J. Dold & Co.....	596	7,095	419
Fowler, Son & Co..	130	13,627	..
Total	14,485	64,121	9,772
Previous week	18,390	63,345	13,272
Same week 1896...	19,422	51,039	10,857
Same week 1895...	20,947	33,707	5,175

The low prices of the previous week had a marked effect on the receipts of cattle for the past week, being 17,300 short of previous week. This had an effect on prices in general, and cattle of all grades may be recorded as 10@20c. higher than the previous week. The telegrams are always kept busy by the commission men on a slaughtering market—warning the shippers not to crowd too many on the market, and this decidedly is a good tendency, as there is really nothing in the present state of the country to warrant abnormally low prices; and it is getting, to be sure, a well-known fact that if the farmers have money all are prosperous—the whole country it benefited thereby. The prospects of a large wheat and corn crop in the West is well assured, and even down in Texas they are figuring on 100,000,000 bushels of corn. With such a crop as this in Texas the reign of the scallawag cattle will soon be over. There is a wail, however, from Montana—the ranchmen there are very much disappointed—the spring rains did not put in an appearance, and the ranchmen say that there will be no grass in the valleys, that can be cut to advantage, to feed the cattle in the winter. This is to be regretted; however, it is not too late to have the tide turned in their favor. There was no large supply of export cattle on the market the past week, and what came was cleaned up pretty thoroughly. The highest prices recorded for the week was \$4.85 for some 1,453-lb average cattle purchased by Sam Kraus; \$4.80 was the ruling price for the best grades, Eastman purchasing some White Faced cattle of 1,378-lb average at \$4.80. The United Dressed Beef Co. also purchased several bunches of 1,573 and 1,477-lb average at \$4.80. There was no large supply of native cows on the market, and this in a measure helped the prices on Western and Texas cows, which advanced fully 10@15c. on prices paid previous week. Some fancy native cows of \$45-lb average sold at \$3.75, some 1,205-lb average sold at \$3.25. Some yearling steers of 1,213-lb average, very

fancy, sold at \$4.60. Some 1,133-lb average heifers sold at \$4.35. Also bunches of 907-lb average sold at \$4, 876-lb average at \$3.85. Some native bulls of 1,680-lb average sold at \$3.25. Feeding cattle not in large supply, as decidedly lower prices of beef cattle have a depressing effect on the feeders, who heretofore paid pretty stiff prices for their purchases, and the best cattle fully 50c. per 100 lb less than the high tide prices paid in former weeks. The range cattle and fed Texas in pretty fair supply. Some Colorado steers of 1,468-lb average sold at \$4.85, some 970-lb average sold at \$4. Some Western steers of 1,281-lb average sold at \$4.40. A bunch of 100 Western range steers of 1,022-lb average sold at \$4.10, some 1,277-lb average sold at \$4.35, and a bunch of 1,089-lb average sold at \$3.92½. Some fed Texas of 1,397-lb average sold at \$4.15, some 1,326-lb average sold at \$4, some Arizona steers of 1,274-lb average sold at \$3.75, some Old Mexico steers of 843-lb average sold at \$3.50. Western cows of 1,053-lb average sold at \$3.85. A mixed lot of steers and cows of 886-lb average sold at \$3.85. Western heifers of 896-lb average sold at \$3.85. Colorado heifers of 1,014-lb average sold at \$4.10. Some Colorado stags of 1,010-lb average sold at \$3. Western stags of 1,425-lb average sold at \$3.70. Western bulls of 1,095-lb average sold at \$2.25. The lowest prices of the previous week curtailed to pretty nearly one-half the amount the receipts of the grass fed Texas. For instance, in the quarantine division corresponding week one year ago there were 450 cars; this year the previous week's receipts were 332 cars; then came the break in price, and during the past week we only received 195 cars. Texas steers were, therefore, 10@15c. higher in value. Some 1,084-lb average sold at \$3.42½, but some comparatively lower, as one bunch of 127 averaging 885 lb, sold at \$2.85. Quite a

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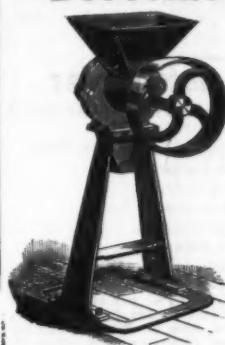
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CABLE ADDRESS,
"GLOBE, LOUISVILLE."

Louisville, Ky.

BUFFALO SPICE MILL.SAVE MONEY BY GRINDING
YOUR OWN SPICE.

Best & Cheapest Mill in the world.



Grinds Allspice, Pepper, Cloves, Borax and most all spices used by Butchers. This is no cheap built mill but it has all the latest improvements; it does the work any \$50 mill will do and is strong and durable. Every butcher ought to have a *Good Mill*, a poor mill is dear at any price.

No. 1 with Fly Wheel for hand-power, if so ordered.

No. 1, Capacity 80 lbs. Pepper per hour, - \$12.00

No. 2, Capacity 100 lbs. Pepper per hour, - 20.00

No. 1, Post Mill, - - \$8.00

Grinds $7\frac{1}{2}$ lbs. Pepper in 5 minutes.

I tested No. 1 Mill yesterday, as requested, and ground $7\frac{1}{2}$ lbs. of Pepper in 5 minutes. Mill runs 175 revolutions a minute. I can grind all kind of spice better than with mill I have had, that cost three times as much.

M. SPERBER,
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We have used your Spice Mill for two years and save money by buying our spice whole; we grind it as we need it, it is always fresh and use less than otherwise. It is the best Mill we ever saw.

J. G. CATCHPOLE & SON,
Geneva, N. Y.

GRINDS BORAX.

We run your No. 2 Mill 180 revolutions and have ground 8 barrels of borax fine in 9 hours (one day). It gives entire satisfaction.

PACIFIC COAST BORAX CO.
Chicago, Ill.

I can recommend your Spice Mill as a great convenience and money saver; and I have *pure* fresh spice by grinding it myself. Every butcher ought to have one.

W. N. CARPENTER.
Amsterdam, N. Y.

We would recommend any one wanting a mill to buy a Buffalo Mill. It is the best mill made, it grinds perfect and saves us many a dollar.

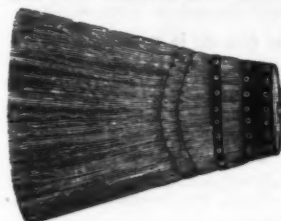
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For Heavy Work, Packing Houses, Warehouse, Meat Market, Etc.

Where hard sweeping and scrubbing is needed to be done.

The fastening holds the material *solid*, does not work loose on the handle or come to pieces in work but will wear down. We make push brooms, Bass, Rattan, and Steel Wire. Prices on application, and trial orders solicited.

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A REQUISITE IN EVERY PACKING HOUSE. *

FULL DESCRIPTION
ON PAGE 41.

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LITTLE GOLDEN GATE
ICE MAKING AND REFRIGERATING
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WRITE US FOR PRICES

ON CARLOAD LOTS OF

Dressed Beef, Mutton, Veal and Hogs,
also Sweet Pickled and Smoked
Meats, Kettle-Rendered Lard,
etc.

We are in the great Iowa cattle and hog
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Soap Makers' Materials, Chemicals,
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COTTONSEED OIL, GREASES,
PRODUCE, Etc., Etc.

THE LEADING PACKERS IN THIS
COUNTRY, IN GREAT BRITAIN AND
EUROPE SUBSCRIBE TO THE NA-
TIONAL PROVISIONER. IT IS NOT
NECESSARY TO ASK WHY.

number, however, changed hands at \$3. Texas cows of 1,100-lb average sold as high as \$2.75. Quite a number of them, however, ranged from \$2.10 to \$2.35. Texas stags of 1,150-lb average sold at \$2.50. The cattle from Old Mexico are still putting in a good appearance; for instance, in the month of June, 1896, the number driven to this country 2,561; the number driven in in 1897, corresponding time, 4,713, while for corresponding time of 1897 we have received 9,495, and telegraph reports just state that quite a large quantity of cattle have been bought by American buyers in Chihuahua.

For the past week we only sent 117 cars of cattle to the seaboard, previous week showing 124 cars, while one year ago corresponding week gave 161 cars. Shipments of feeders to the country for the past week 146 cars, the previous week 137 cars, and corresponding week of one year ago 94 cars. Outside purchases of cattle headed, as usual, by Eastman, 517 head; United Dressed Beef Co. 391 head, Swift 253 head, Kraus 241 head, Balling 124 head, Michael 138 head, and last, but not least, Cudahy, of Omaha, 460 head of cattle. Our sister, Omaha, is all in a flutter, and is on the tip-toe of excitement, having her gala dress on, for Phil Armour has whispered in her ear that he is going to erect a million-dollar packing house in her borders, and that before the next snow flies.

HOGS.—The receipts of hogs in the past week in Kansas City showed well in corresponding weeks of previous years. The demand was good, prices a little better, and for the week may be called pretty steady. The Southern supply was rather small and very little trash offered. The shippers have learned a little common sense in regard to young pigs—holding them back so that they were pretty scarce during the past week, and a scramble some days for them. The assorted pigs went at \$3.05. Light pigs from \$2.95 to \$3. Light hogs were in fair demand and sold at steady prices, ranging from \$3.25 to 3.27½, on some days as high at \$3.30 to \$3.35. Heavy hogs hogs suffered somewhat during the past week, and fully a decline of 5c. noticeable below that of other grades; they sold from \$3.15 to \$3.17½. The top prices on Monday, Tuesday and Wednesday, \$3.30, being the climax; on Thursday a value of \$3.40, then a decline of 2½c., closing firmly on Saturday at \$3.37½. The bulk of the hogs sold steadily for the first three days of the week at \$3.20 to \$3.25; on Thursday an advance, \$3.25 to \$3.35, varied a little on Friday, and finally closed at \$3.25 to \$3.32½. The commission men are of the opinion that there will be no scarcity of hogs for the next four months to come—that they are in the country, and will come forward unless prices should take a very low level of values, when there would be a tendency to hold them back; but a lower level of values are not to be expected, as the packers report a good demand for hog products. As they are honorable gentlemen, there can be no mistake in their announcing the fact that their present stocks are not large. Outsiders did not get many hogs last week, 3,947 head, when shipments one year ago 7,015 head. Cedar Rapids received 11 cars, New York 5 cars, Omaha 3 cars, Milwaukee, Leavenworth and Marshalltown 2 cars each, and Chicago 1 car.

SHEEP.—With the receipts of sheep 25,000 short of that of previous week in the four leading markets, it goes without saying that the prices rallied and were higher all along the line. The top prices, however, paid for spring lambs of 61-lb average \$5; some bunches were also sold of 76-lb average at \$4.00. Some 70-lb average Colorado lambs were sold at \$4.65. A bunch of 640 Colorado lambs averaging 58 lb were sold at \$4. Some Oregon lambs of 60-lb average were sold at \$4.10, and 1,000 Oregons of 94-lb average sold

at \$3.30, while some Oregon buck lambs, 50-lb average, sold at \$2. Some Oregon feeders of 80-lb average sold at \$2.70, and a bunch of Oregon lambs of 48-lb average sold at low as \$3.25. Texas sheep were in fair supply, and a bunch of 1,500 sold at \$3.60. A mixed bunch of 600, 70-lb average, sold at \$3.65, while a bunch of 74-lb average sold at \$3. Some Arkansas stock of 73-lb average sold at low at \$2.40. On the whole, taking the quality into consideration—the entire market from the seller's point of view should have been satisfactory.

A HANDSOME CATALOGUE.

The fifth edition of the catalogue of the De La Vergne Refrigerating Machine Company, of East 138th street, New York City, made necessary by the increasing patronage accorded the company, has just been issued. The catalogue is encased by a light drab cloth cover stamped in gold, and is a splendid specimen of the printer's art. It is extensively illustrated with half-tone cuts and is typographically beautiful. While the catalogue is mainly devoted naturally to the description of the De La Vergne machinery, both of their standard designs and of the new features they are introducing, space is also given to tables and other information which will be found very useful to engineers in packing houses and other plants which are equipped with the De La Vergne machinery. Special attention has been given the subject of insulation, which, instead of being meagerly illustrated, as is sometimes the case, is readily comprehended with the aid of numerous cuts. A new departure, which has gained prominence of late, namely, the adaptation of mechanical refrigeration to skating rinks, is illustrated in the catalogue, showing the large area of skating floor before and after the freezing process. It is further learned from the catalogue that the company now builds a number of models of refrigerating machines, each adapted for its own particular application, but all embodying the character-

istic features of the De La Vergne system, which has made it so acceptable to a large proportion of the ice-machine-using fraternity.***

ROTTERDAM OLEO REPORT.

The following sales were cabled for the week ending July 2, 1897:

Sales for the week 2,100 tons, spot and 2,100 to arrive.

July 1. Harrison sold at 40 florins.

" 1. Morris Extra sold at 39 florins.

" 1. Monarch sold at 37 florins.

" 2. Morris Extra sold at 39 florins.

" 2. Monarch sold at 37 florins.

June 26, stock in first hands, 400 tons.

Stock afloat, June 26.—Per stmr. Willowdene from Balto. June 12, due June 27, 2,049 tons; per stmr. Urbino from Balto. June 19, due July 4, 1,641 tons; per stmr. Spaarndam from New York, June 19, due July 1, 3,143 tons; per stmr. Amsterdam from New York, June 26, due July 8, 2,333 tons. Total, 9,169 tons.

June 26.—My London cable reports: Butter, market quiet and steady; Margarine, market quiet and steady.

Imports into Great Britain for week ending June 19, 1897: 1896—Butter, 60,775 cwt.; margarine, 13,516 cwt. 1897—butter, 59,000 cwt.; margarine, 19,000 cwt.

Exports of Oleo Oil to Rotterdam.

June 26. Per Stmr. Amsterdam—Eastman, 375; United, 150; Wolf, 60; S. & S., 425; Morris, 760; Swift, 470; Armour, 760.

June 26. Per Stmr. Tabasco—Armour, 850; Swift, 445 D. B. Martin, 240; Pitts, Prov. Co., 160; Hammond, 640

Neutral Lard.

June 26. Per Stmr. Tabasco—Armour, 530; Cudahy Packing Co., 400; Kingan, 200; Friedman, 250; Swift, 595.

PACKING HOUSES WANT IT.

The Tinnol, advertised in these columns by the Arabol Mfg. Co., of New York, meets with general favor among the packers. It really answers a long felt want. It overcomes all the difficulties often experienced with other pastes, and its price is low. It prevents rust, spots and peeling. Write to the firm. Its address is 11 Gold street.***

* Contracts have been awarded by The Virginia Beef Extract Co., of Alexandria, Va., for the erection of a new factory which will be four stories high and 56x36 feet.

WM. E. WEBBE & CO. PROVISION BROKERS

807 ROYAL INSURANCE BUILDING,

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W. THOS. NASH,
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Provisions, Lard, Grease, Etc.
240 LA SALLE ST.,
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THE CAPITAL CITY DAIRY CO. COLUMBUS, OHIO.

CHURNERS Fancy Quality Butterine.

\$3.00 \$3.00 \$3.00

ORDER FOR BOOK.

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"The Manufacture of Cottonseed Oil,"

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THE SCHÖNLAND AUTOMATIC CASING APPLIER.

WEIGHT, 20 lbs.



Sausage manufacturers have for a long time been looking for a machine to run the casings on to the tubes of stuffers. Here we have it, and it will do the work as well as it can be done by hand and in very much less time, thereby saving labor and time, as with this machine one man can stuff as many sheep or hog casings as three or four men can link, besides doing away with the most tiresome work there is in stuffing sausage.

The machine takes practically no power to run, only a $\frac{1}{4}$ -inch round belt, the same as a sewing machine, and uses no more power than a sewing machine. It does not need an extra operator, as the machine can be used by either one or two men on steam, power or hand stuffers and is never in the way, because when the machine has put on a casing it immediately rises up by itself 8 inches and stays there until needed again. It will run on about 100 feet of sheep or hog casings in about 7 seconds and will handle tender casings just as delicately as the hands of the workman. Two lined wheels go with each machine, but it is only necessary to have one of them on the machine, even when two men are working it; so there is always one wheel in reserve.

A glance at the cut opposite shows the machine at work and after it has put on a casing.

Manufactured by

WM. F. SCHÖNLAND,

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WE CLAIM THE FOLLOWING MERITS FOR

JENKINS BROS.' VALVES



1. Manufactured of the Best Steam Metal.
2. No regrinding, therefore no constantly wearing out the Seat of the Valves.
3. Contain JENKINS' DISC, which is suitable for all Pressures of Steam, Oil or Acids.
4. The Easiest Repaired, and all parts Interchangeable.
5. Every Valve Tested before leaving the factory.
6. ALL GENUINE stamped with trade mark.

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**SMALL FREEZERS
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A SPECIALTY.**

ESTIMATES AND PLANS FURNISHED FOR THE INSULATION OF PACKING HOUSES, MARKETS AND COLD STORAGE ROOMS.

PORTABLE REFRIGERATORS FOR BUTCHERS AND HOTELS.

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INTERNATIONAL PROVISION CO., Degraw Street, Brooklyn.
DILLON & DOUGLASS, New Haven, Conn., and many others.

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When you are in the market for a new Refrigerator or Market Fixtures write to THE SIEBERT REFRIGERATOR WORKS for cuts and prices, the best for the least money in the market.

Builders of Wholesale and Retail Chill Rooms and Supplies.

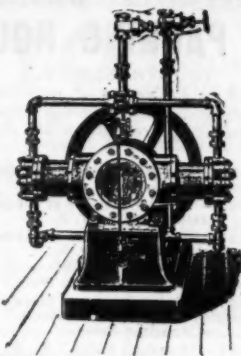
Write for Plans and Estimates, etc.

Office, Warerooms and Factory: 18TH AND FEDERAL STREETS, CAMDEN N. J.,

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BE FOUND ON PAGE 45.**

WESTERLIN & CAMPBELL,

SMALL REFRIGERATING MACHINES
A SPECIALTY



For COLD STORAGE, CREAMERIES,
MEAT MARKETS, Etc.

Consulting Engineers and Contractors

FOR ICE MAKING AND REFRIGERATING MACHINERY.

26 West Lake Street, CHICAGO, ILL.

Anhydrous Ammonia and Ammonia Fittings.

SPECIFICATIONS AND ESTIMATES
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THE PONTIFEX ICE AND REFRIGERATING MACHINE.

Refrigerant: Anhydrous Ammonia, Direct Expansion or Brine Circulation. *Simple, Economical, Durable, Efficient.* Particularly adapted for the Refrigeration of *Packing Houses, Abattoirs, Cold Storage Warehouses, Fish Freezers, etc.*, and all work requiring low temperatures. 600 plants in operation at home and abroad. Address:

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A practical work on Ammonia Refrigeration. Send One Dollar (\$1.00) to THE NATIONAL PROVISIONER, and we will send you one copy of Redwood's Theoretical and Practical Ammonia Refrigeration. 146 pages, cloth bound.

TECHNICAL. THE PACKING HOUSE.

FOURTH SERIES.

Included in the series of articles on *The Packing House*, the following subjects have been exhaustively treated on the dates indicated:

- Dec. 28, 1896.—"The Manufacture of Sausage Casings and Packing Same."
Jan. 2, 1897.—"The Manufacture of Sausage Casings and Packing Same," No. 2.
" 9, 1897.—"The Manufacture of Sausage Casings and Packing Same," No. 3.
—"About Beef Extract."
" 16, 1897.—"On Cutting Meats (Pork)."
" 23, 1897.—"The Necessity of Cleanliness in the Handling of Perishable Products."
—"American Swine."
" 30, 1897.—"American Swine," No. 2.
Feb. 6, 1897.—"The Preparation of Blood Albumen."
—"American Swine," No. 3.
" 13, 1897.—"Proper Ventilation in P'king Houses."
" 20, 1897.—"Proper Ventilation in P'king Houses," No. 2.
" 27, 1897.—"Proper Ventilation in Packing Houses," No. 3.
March 6, 1897.—"Proper Ventilation in Packing Houses," No. 4.
" 13, 1897.—"Proper Ventilation in Packing Houses," No. 5.
" 20, 1897.—"Proper Ventilation in Packing Houses," No. 6.
" 27, 1897.—"Steer and Hefter Beef," No. 2.
April 3, 1897.—"Steer and Hefter Beef," No. 2.
" 10, 1897.—"Manufacture of Oleo Oil," No. 2.
" 17, 1897.—"Manufacture of Oleo Oil," No. 2.
—"Steer and Hefter Beef," No. 3.
" 24, 1897.—"Manufacture of Oleo Oil," No. 3.
—"Export Beef Trade," No. 3.
May 1, 1897.—"Manufacture of Oleo Oil," No. 4.
" 8, 1897.—"The Scouring of Wool," No. 4.
—"Manufacture of Oleo Oil," No. 5.
" 15, 1897.—"Boiler Compounds," No. 2.
" 22, 1897.—"The Scouring of Wool," No. 2.
" 29, 1897.—"Steer and Hefter Beef," No. 4.
June 5, 1897.—"Steer and Hefter Beef," No. 5.
" 12, 1897.—"Steer and Hefter Beef," No. 6.
" 19, 1897.—"The Process of Thawing Frozen Meats."
" 26, 1897.—"Steer and Hefter Beef," No. 7.
—"Manufacture of Lard and Allied Products."

ANIMAL FATS.

Improvements in processes and treatment of products coming within the scope of "The National Provisioner" are undoubtedly keeping pace with progress in other industries. In our list of patents this week will be found two which will doubtless prove of more than ordinary interest to packers, compound lard makers, butchers, etc.

A process for refining and bleaching animal fats has been recently covered by letters patent here and in Austria—the inventor being a Viennese. It consists in refining and bleaching those products composed essentially of saponifiable glycerides of the fatty acids, which consists in mixing the fat or oil at the melting temperature of the same with 0.1 to 4 per cent. of the dry pulverized residuum or waste obtained in the manufacture of yellow prussiate of potash, permitting said waste to act on the fat or oil, and then subjecting the mass to a filtering operation while keeping the same in heated condition.

Another process for rendering fats has also been patented by Americans, which consists in treating same with an oxide of an alkaline earth during the continued application of

heat. It further consists of having nitrogenous matters mixed therewith, which consists in treating the same with an oxide of an alkaline earth in the presence of heat, but before the heat reaches a degree high enough to decompose the nitrogenous matters, whereby the decomposition of said nitrogenous matters is avoided. Furthermore, during the process of rendering, a small per cent. of lime made into a milk of lime is added, said addition being made before the mass reaches a degree of heat sufficient to decompose the nitrogenous matters contained in the fats.

COOKING THE MEATS.

The treatment of the bruised seed in the heating kettle is a matter of the greatest moment in oil milling, and too much attention cannot be devoted to it. After the rolling operation it is more at this critical point that the seed crusher's profit depends than at any other part of the proceedings. Neglect here nullifies in a large measure the first process (rolling), notwithstanding the efficiency with which the operation may have been performed. To maintain a proper temperature within the heating kettle with due regard to the correct amount of moisture needed, should be the oil miller's great desideratum. It may be stated that no exact limitation can be laid down for the observance of the mill foreman in this matter, as he must be entirely governed by outward influences, and the nature of the seed treated, changing his heat and moisture consistent with their changes. The temperature of the meal in the heating kettles varies from 120 degrees Fahrenheit to 19 degrees Fahrenheit according to circumstances.

The old hit or miss practice of at all times considering the bruised seed sufficiently cooked when by taking a small portion and pressing it firmly in the hand the burning, stifling sensation experienced which could be endured without suffering, was the only test of a well tempered meal, has in many instances been abolished, but in some quarters the rule yet prevails.

Let us take, for illustration, such weather as we have been experiencing recently, which augments the temperature in the pressing room to an almost insufferable degree; should the temperature in the treating kettles be maintained at the old time standard, the burning and destruction of the bagging material in the hydraulic press is the natural sequence.

This latter refers more particularly to linen than cotton oil milling; nevertheless, while the cotton oil mills do not run through the heated term, in the early fall and late spring of each crushing seed, precisely similar conditions prevail as those referred to. The destruction does not take place immediately, or during a single pressing operation, but a close observation will disclose the fact that after a few such heated charges the filaceous material of the bagging, whether of hair, wool or cotton, readily draws apart, and is soon transformed into ragged fragments. When the weather is cold it naturally follows that a greater degree of heat is needed in the treating kettle than when moderate atmospheric

temperature prevails. It frequently occurs that even an ordinary temperature in the treated meal generates and imparts to the press plates (where no mats are used), under pressure, a degree of heat not compatible with the protection of the bagging, in which case, when discovered, the heat in the treating kettle should be promptly reduced, and as iron is a conductor and retains heat for a considerable time, especially where it is not exposed to the atmosphere, some time will elapse before the original temperature in the kettle may be restored.

There can be no doubt that there is room for very considerable improvement in the methods pursued in cooking the meats, and as the dollars and cents which the manufacturer hopes to derive in the seed crushing business very materially depends upon this operation, it is worse than an ordinary irregularity to practice a slipshod system, as it is nothing less than criminal negligence.

ANSWERS TO CORRESPONDENTS.

We gladly and as promptly as possible answer all reasonable questions in this column sent to us by our SUBSCRIBERS or ADVERTISERS.

Answers desired by mail should be accompanied by a stamped, addressed envelope.

Persons desiring not to be known as making an inquiry should add a nom de plume to their questions. By so doing they will avoid identification in this column. The correct name and address should, however, for the publisher's satisfaction, accompany each request for information.

J. P. H., PATCHOGUE.—It is necessary to mix killing and cutting lards, equal percentages, to make regular either in tanks or coolers prior to drawing, or if drawn separately, the "killing" lard is right in line for rejection as being off color, and will also have that gut flavor so objectionable. In extreme cases super-carbonate of soda will be found a very effectual agent in bleaching and purifying to a considerable extent any lards which may have been rejected, using about one-half pound per tierce (dissolved) to each tierce of lard. Re-cook with open-head tank half full of clear water, turning on sufficient steam to boil for two or three hours, after which allow as much as possible to settle well, the longer the better. It is advisable to first make a trial test of the foregoing prior to operating on large quantities of any stock.

R. A. B., POUGHKEEPSIE.—According to the returns made to the Commissioner of Agriculture, there were made in the State of New York in 1892, 130,991,310 lb of cheese.

W. A. D., ILLINOIS.—The use of oleomargarine, butterine, etc., in public institutions is prohibited by law in the following States: California, Michigan, New York, Ohio, Pennsylvania, Utah and Wisconsin.

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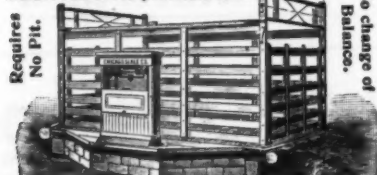
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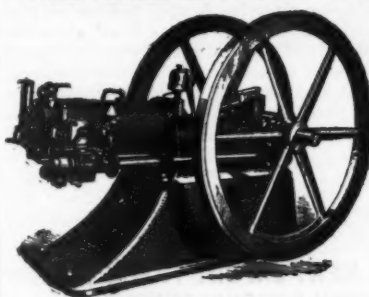
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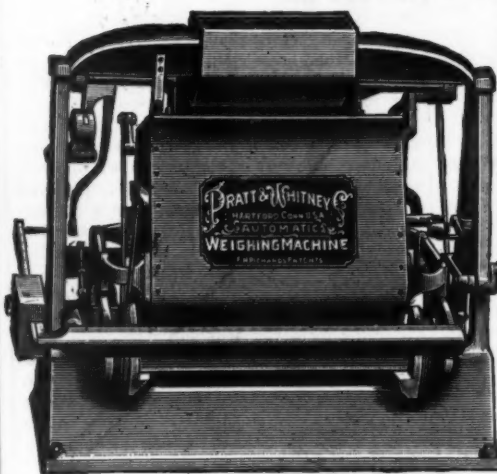
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WANT AND FOR SALE ADS can be found on PAGE 45.

TECHNICAL.

SOAP MAKING.

No. 50.

OLEIC ACID SOAP (Continued).—In place of employing the caustic alkalies, the cheaper carbonates may be used, but in this case the soapmaker is troubled with a considerable amount of frothing, owing to the formation of carbonic acid gas, which necessitates the employment of very large vessels for the production of the soap, which is in many cases rather inconvenient.

The proportion of soda ash of 52 per cent. to oleic acid may be taken as 19 pounds of soda to 100 pounds of oleic acid, and three one-fourth gallons of water will be required to dissolve that quantity of soda ash. If needful, the better qualities of alkalies may be employed, when a proportionately less quantity will be used. Theoretically, 282 pounds of oleic acid require 53 pounds of sodium carbonate, or 69 pounds of potassium carbonate, for saponification. There is no difficulty in making a good soap from oleic acid, with the carbonates, should be used warm, and the solution of the soda ash added, allowing time for the subsidence of the frothing, by which means the process can be carried on with more effective control. After all the alkali has been added, the mass of soap should be kept heated until it assumes the form of a smooth, homogeneous paste, when it is ready for running into the frames for cooling.

If thought desirable the oleic acid may be combined with other fats or rosin. A good proportion would be 3 cwt. of oleic acid and 1 cwt. of rosin, or 3 cwt. of oleic acid, 1 cwt. of palm oil, and 1 cwt. of rosin. When these fats are used the mixture requires boiling rather longer than when oleic acid is used by itself. The soaps thus made are rather better in taste and sweeter in odor than soaps made from oleic acid alone. It may be noted that the soap made from brown oleic acid tends to become darker in color by keeping. With pale oleic acid this defect is not met with.

HYDRATED SOAPS.—A similar plan of working, and one which has been especially followed in making what is generally known as marine soaps, and which is practically a modification of the cold process, but employed at the boil, the soap not being salted out afterwards. The method of working is as follows:

The fat is melted in the pan in the usual way, the alkali of the required degree of strength is run in, but not in sufficient amount to completely saponify all the fat. The mixture is thoroughly boiled, and when saponification is as nearly complete as possible more lye is added, and the boiling continued, and fresh lye added until there is just a faint taste of alkali. The soap is then run into the frames for cooling. Any kind of fat may be used for this purpose. Coconut oil is largely used, and the soap so made is known as marine soap.

Each kind of fat requires a certain particular strength of alkali to ensure the best results; thus, tallow is best saponified at 16 degrees Twaddell, coco-nut oil at 32 degrees Twaddell, palm oil at 28 degrees Twaddell, olive oil 25 degrees Twaddell. The quantities are given in the following table:

100 pounds tallow takes 231 pounds of lye at 16 degrees Twaddell.
100 pounds coco-nut oil takes 130 pounds of lye at 32 degrees Twaddell.
100 pounds palm oil takes 114 pounds of lye at 28 degrees Twaddell.
100 pounds of olive oil takes 120 pounds of lye at 25 degrees Twaddell.

Hydrated soaps are not made to any great extent now, on account of the fact that they contain the glycerine formed during the process, and it does not pay to leave glycerine in the soap. Hydrated soaps which are made from cheap greases are sometimes hardened by crutching in soda crystals or Glauber's salt, which makes them very much harder, and in some cases increases their detergent value.

(To be continued.)

Ads add to your business.

THE MEAT EXPORT TRADE OF OUR NORTH QUEENSLAND COUSINS.

(By our Special Correspondent.)

Practically, Northern Queensland had no export trade, in cattle produce, up to 1890. There had been primitive boiling works in operation in the seventies, when tallow or hide prices were high, but they closed down as these prices receded.

Then some abortive enterprises were started to freeze and ship meat, but they ended in unfinished works (inferior produce), and disgusted shareholders. After that there came a blank in export operations, until in 1890 Mr. Thomas Cordingley came from Sydney, a poor man, and formed the North Queensland Meat Export Company on a very small scale. And very hard struggling he had to do it. Brum-magem meat export enterprises, with stuffed men for directors, had sapped hard earned dollars from back country cattle owners before, and there was distrust of meat exporting mankind generally. Anyway, Thomas Cordingley was a scratcher, or what you in your country call a hustler, and after a time he got going, with a big boiler, two or three old-fashioned dyesters, some old tanks, and two equally old extract pans. Mark the latter, for therein lay the agent of success. Because in addition to a big share of floating capital, in the way of ability, Mr. Thomas Cordingley was a chemist, posted up in the chemistry of meat, and analysis; and that's where the former crowds had gone down, paying law expenses, defending actions for misrepresenting goods. However, the initiation year of the North Queensland meat export trade closed with, I think, a total manufactured output of 900 head of cattle. That was all. But there was a significant fact remaining after the year's work: a fact, too, that had been deficient in the previous enterprises. And that was that there was enough money left to pay for the manager's rations and buy another digester and an additional extract pan and a second-hand pump. Venders had received 10s. 3d. per 100 pounds for the cattle.

In the second year, as the pump worked all right, and the digesters did not blow up, nor the extract pans crack, the output of cattle was 2,300 head. All the venders were paid to the penny; and the balance sheet showed

that there was enough money left to buy iron to put a roof over the digesters, to pay Mr. Cordingley's ration bill, buy him a pair of blue dungaree trousers, and a striped shirt. (North Queensland being a tropical country, of course he didn't want any coat.)

But anyway, he got to going walking into Townsville, nine miles, with these new trousers on, and people began to notice. The back countryman with the uninvested balance of capital began to sniff and the shark to saunter round the town, inquiring just casually, you know, "for a friend" for these £100 shares of the North Queensland Meat Export Company that had been offering for £80. Then, when he couldn't find them he ran and yelled that he was a buyer, straight out. He had come behind the fair, though in the meantime the extract, hide and tallow brand N. Q. M. E. CO. had found a foremost place in the British markets, and those shares were now the property of Mr. C. G. Tindall, in London, and likely to stay there.

From the second year the company went forward, annually increasing their plant and output, until last year 42,000 head of cattle were made up into extract, tallow and preserves. As might be expected, Mr. Cordingley's success attracted notice; and in 1892 the Queensland Meat Export Company (almost a national public undertaking) was formed, with a capital of some £150,000 or more. But the directors, until recent changes, recognizing not the value of capital for which they had not worked, and never having passed through the dungaree trousers stage, so to speak, made an extremely moderate success of their business, and developed the trade to such an extent, by exporting 41,000 head to Townsville as to put very many of their supporters into pre-

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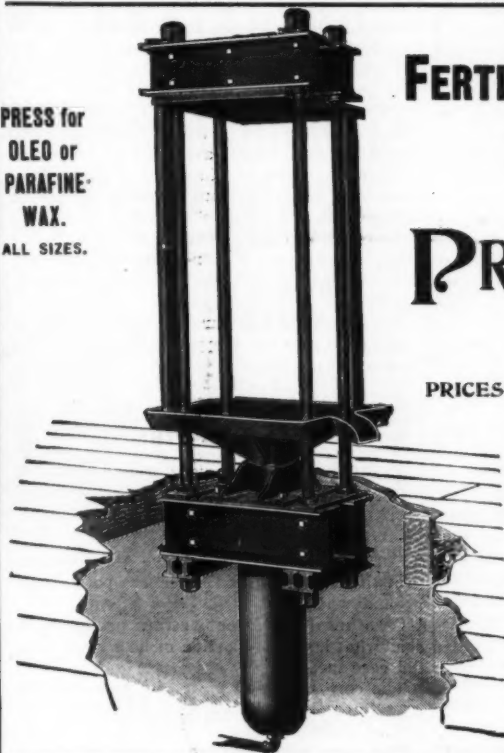
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carious financial circumstances. Their business was to freeze and ship to London, at so much per pound, 2 1-16d. at first, and afterwards at 2 1-16d. per pound. Thousands of the best prime cattle not only returned nothing, but some entailed heavy losses. Other owners got £2 6s. per head for stock that had a market value here of £2 10s. per head at the time they entered the freezing company's hands. However, I am very pleased to say that a much better state of things is indicated at present, and the arrival of Mr. Hopper, the expert from the Land of "The National Provisioner," to take charge of the canning arrangements of this company is greeted with good will.

Apart from the companies I name, there is an exporting house at Bowen, eighty miles southward from Townsville. This is the property of a company, but is leased to Bergl & Co. for a term of years. Last year they exported a large cast, 25,000 head, or thereabout, frozen, and canned. In the neighborhood of Townsville, Cardwell for instance, 90 miles north, and up the railway 180 miles, at Town's Creek, there are boiling establishments where prime cattle are boiled for tallow alone. And at the Burdekin River Company's Works, also on the line, 68 miles from Townsville, they manufacture meats and extract from cattle from surrounding stations principally for shareholders. Moreover, a new factory opens this month on the Cairns Railway, north of Townsville, to manufacture extract and tallow, and in this Mr. Cordingley is interested, and success is anticipated. Then, around the peninsula of Cape York, there are two more factories that have not, I fear, achieved more than boiling for tallow, although the expenditure upon one of them is reported at £40,000, which is entirely the property of a large stockowner named Donald MacIntyre, and is named the Normanston Boiling Down. This factory, with its neighbor, the Burke Town Boiling and Meat Preserving Company (costing some £5,000) is now idle, principally, I think, for the want of capable management, and both are in the good cattle districts, and on the seaboard. Yet the cattle from the immediate vicinity travel 450 miles overland to the Townsville factories. All the factories I name are new, having been erected within the last year or two. The purchases already made in the north for 1897 total about 120,000 head of cattle. The average price for three-year-old prime bullocks, 750 pounds and over, is 7s. 6d. per 100 pounds at the factories. The cost rests with the season. All cattle are natural grass fed, and it is rare that the season rainfall fails. The present time, however, indicates one of the exceptions. But strange to say, in the districts near the idle factories, the season is bountiful. Throughout the whole of Northern Queensland there is not one single beast fed artificially, or on sown grasses. Pastoral holdings are from the Crown, at rentals varying from 5 to 50s. per square mile, according to quality of pasture and location, and areas from 10 square miles to 4,000 on 21 years and 31 years' lease. The carrying capacity is from eight acres to fifteen acres to the beast. At the present time, owing largely to the failure of some enterprises to give the growers a return for stock exported, and partly, I daresay, to a tick disease scare that beset the country a year ago and which blew away of its own accord. Cattle, other than fat, have no value, or next to none; that is, if you want to sell. Last year 600 square miles of country, rent paid, 10,000 cattle, 400 horses, with improvements, etc., were sold for £1,500 (fifteen hundred pounds), and similar madneses have been perpetrated all over the country. A very large proportion of North Queensland is very lightly stocked, and a few or none of the runs are improved to increase carrying capacity.

The retail meat trade is a very broad one in this country; even in the towns there is very little carcassing. Every butcher has his own slaughter yards (on town reserves), and buys his cattle direct from the grower, who is also the breeder. He slaughters, carts, breaks up, and sells retail, over the block, or delivers on rather a slippery credit system, by carts. The carriage of meat by train is unknown. The butcher makes pig breeding a section of his business, and this pays well throughout North Queensland. I daresay the kind of pig trade is peculiar to the country. I note your reports of hogs up to 250 pounds. Here no butcher would touch a pig up to that weight, 50 to 80 pounds being the porker limit. Sausages and small goods are a side show. Two-thirds of our meat traders buy their casings from Chicago through Sydney agents. Casings until now have not been saved at any northern factory. Horse casings, I notice, is another line you quote and advertise. Here thousands of young, fat horses could be bought from 5s. to 20s. per head, off their pastures by the rail side. Most of the cattle reach the Townsville factories by train, at freights equal to 3s. 9d. per head per hundred miles, in cars of 17 head.

Summarizing our trade from your comparative point of view: Cattle at \$1.50 per 100. Good London freights available almost weekly; labor moderately cheap; good plants idle. And you ask: Why our trade is not more prosperous, and growers' returns better? And I answer: You have your Swifts, your Armours, Cudahys, Nelson Morrisies, Dolds, Rohes and the rest. We have only one Cordingley.

But growers now are cheerfully putting some eggs into the Hopper basket, and hope they won't get broken. J. R. C.

FEEDING PIGS.

The following conclusions were arrived at with four lots of pigs which were fed at the Agricultural Experiment Station in Ithaca, N. Y.:

Corn meal and gluten gave the greatest growth and produced cheaper pork than ground wheat.

Corn meal and meat scrap produced a somewhat larger proportion of lean meat than did corn meal.

The corn meal and gluten lot had a better appetite and consumed more food than the lot fed ground wheat.

The corn meal and meat scrap produced the largest proportion of lean meat, but not enough more to make it commensurate to the cost of the food consumed.

DANISH BUTTER, BACON AND EGGS IN ENGLAND.

Denmark's export of butter was, in 1896, 133,150,000 lb., which is an increase of 3,520,000 lb. over that in 1895; but the increase in imports was 1,920,000 lb., and home consumption was about normal, so that the increase in produce from 1895 amounted to 1,600,000 lb. This (says the British Consul at Copenhagen) is no doubt due to the farmers taking up dairying instead of fattening. They pay great attention to the technical part in dairying, and spare no expense. The increase would have been still larger if drought had not had a bad effect on the quality of feed.

Denmark's production of bacon increased considerably in 1896, and 1,200,000 pigs were killed for this trade, the increase amounting to over 25 per cent. on that of 1895. Taking the two years, 1895 and 1896, the increase in production of bacon has been as much as 70 per cent. The export of bacon and hams is stated to have been about 164,000,000 lb. In consequence of the large quantities, prices became lower, and compared with 1895 the top quotation was 3s. lower per cwt. Notwithstanding these disparaging low prices, and unfavorable returns for 1895, during which year the slaughtering houses at Esbjerg and Elsinore are said to have each lost £3,000, there was still a craze for building slaughter houses, especially in Sealand, where the prospect of a profitable trade from Denmark since 1895 many has prohibited import of Danish pigs alive. There are now eighteen private and twenty-three co-operative slaughter houses in Denmark, and although the co-operative are in the majority, there are just as many pigs killed in the private yards, which clearly shows that the co-operative system is not progressing. The quality of meat seems to have improved, and it is stated that prices for the best Danish brands of bacon had been fully as high as those for Irish bacon. It is most probable that there will now be a decrease in the production of bacon, after the enormous development of the business for the last two years, and especially on account of the higher prices of corn in the autumn of 1896. The export of eggs shows an increase of about 2,000,000 score (from 7,900,000 to 9,800,000). The warm summer was unlucky for exporters, and in many cases brought a loss, the eggs arriving in a spoiled condition. The exports of meat were about the same as in 1895, viz., 16,000,000 lb.—London Grocer.

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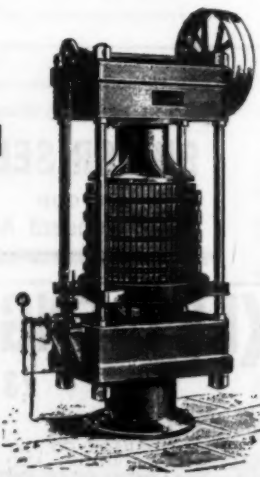
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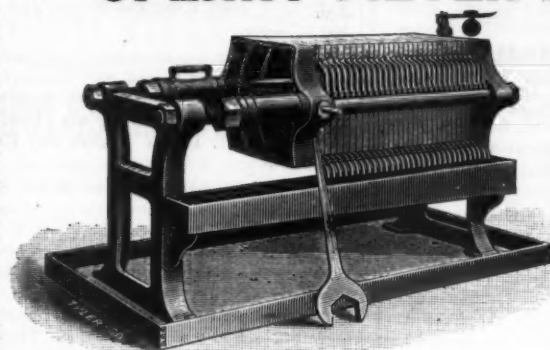
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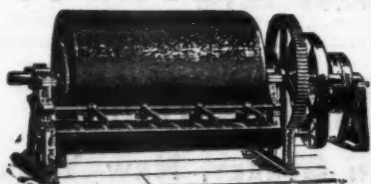
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WITH REGARD TO PRESS ROOM AP-
PLIANCES AND METHODS. ORDER
THE BOOK NOW. BLANK CAN BE
FOUND ON PAGE 22.

FOREIGN NOTES OF INTEREST.

Russia, which occupies the first rank in Europe as a producer of wool, possesses 45,000,000 ordinary and 15,000,000 merino sheep, chiefly in the south, thanks to the extensive pasturage and temperate climate, which permits of keeping the flocks out in the fields during most of the year. The annual production of wool amounts to about 178,457 tons, giving six pounds of wool to each sheep. Spinning mills in the governments of Moscow and St. Petersburg numbered 68 in 1885, occupying 4,780 workers, and producing a value of more than £800,000.—Meat Trades' Journal, London.

The market committee in a town in the South of England has received a letter from the Master Butchers' Association to the effect that unsound meat, condemned by the officers of the corporation, possessed a salable value for manufacturing purposes, and requesting that the committee instruct the inspector to send all condemned meat to the local soap works, who had intimated their willingness to give fair value for the same.

It is proposed to establish a bacon factory at Selby, England. As 27,00 pigs are annually bred within a fifteen-mile radius of that town, there is ample material for the production of first-rate bacon.

Fifty outbreaks of swine fever occurred in Great Britain in the week ending June 5, compared with sixty in the previous week and 154 in the corresponding week of 1896.

ARMOUR & CO. TO BUILD IN SOUTH OMAHA.

The news was received last week, too late for publication in that issue, that Armour & Co. will erect an immense packing house in South Omaha, Neb. The dispatch states that about nineteen acres of land have been purchased, and that the new packing house is to be as large as Armour's Chicago house. Work is to be commenced at once, and it is expected that the plant will be ready for occupancy by Jan. 1, 1898. The cost of the new plant will be, it is said, \$1,000,000. Two thousand men will be employed when the plant is working on full time.

In reply to our query of Messrs. Armour & Co. as to the truth of the above published report, they replied as follows: "It is true we are about to build a large packing house at South Omaha.

"We are not prepared to give any figures as to cost, capacity, etc., but it will be a capacious and modern plant, adapted for cattle, hogs and sheep."

No business is ever so large but that it can be made larger by judicious advertising.

LONDON BUYS IOWA BUTTER.

English Firm Contracts for the Entire Daily Output of the Agricultural College.

Washington, June 29.—As a result of the recent experimental shipment of American butter to England under the patronage of the Department of Agriculture, an order has just been placed by a London firm of merchants for the entire daily product of the Iowa Agricultural College, which was one of the two places from which the butter was taken.

The product is 800 pounds daily, and other merchants are attesting in letters the good results achieved by the experiment.

AMERICAN MEATS IN PARIS.

Consul General Gowdey has written to friends at Rushville, Ind., reviewing his experiences in Paris, where he is stationed. He was surprised to find a prohibitory order in France against imported beef cattle from America, and that no American beef or meats had been consumed by the French army for two years. None can be purchased under present conditions, and as a result beef and meats of all kinds are dear in the Paris markets. A small duck, for instance, upon which he dined, costs \$1.05.

The Consul General proposes to work for a change that will permit American meats to be received and sold for food.

FIRES AND CASUALTIES.

The sausage factory of B. Franz & Bros., Springfield, Ill., was recently destroyed by fire. The total loss will be between \$3,000 and \$4,000, covered by insurance. The firm's heaviest loss is on the sausage factory, as the boiler and all of the machinery was ruined.

The grocery store and butcher shop of E. J. Donnocker, Buffalo, N. Y. The loss is estimated at \$4,000, with an insurance of only half that amount.

The large pork house on Baxter avenue, Louisville, Ky., belonging to the Fred Lieb estate was nearly unroofed by the recent high winds in that section of the country. The damage was about \$500.

Fire recently caused \$500 damage to the market of H. Sullivan, in Cohoes, N. Y. The loss is covered by insurance.

During the high wind a large portion of the roof of William Focke Sons' slaughter house in Dayton, Ohio, was blown off. The damage is estimated at \$500.

A daring pull at the oars of publicity has sent many a business craft flying into a gale of trade.—Profitable Advertising.

PACKING HOUSE NOTES.

Manufacturers of machinery and fixtures interested in these notes, should also consult the items under Ice and Refrigeration, and other trade news columns in this paper.

Employers in want of help, and employees in search of positions, and such wanting to dispose of machinery or desiring to purchase same should look at our WANT AND FOR SALE COLUMN on page 45.

Persons contemplating the erection of packing houses or in need of packing house machinery will do well to make their wants known in this column. The foremost firms in the lines mentioned closely peruse the notes on this page, and prospective purchasers of machinery would be placed in immediate communication with them.

* A news dispatch from Wausa, Neb., dated Sunday last, says that serious losses of cattle among a number of herds in that county are reported, much to the alarm of the cattlemen of the State. The disease resembles hydrophobia. As it was considered contagious, Gov. Holcomb was asked to send a veterinary to investigate, which he refused to do, referring petitioners to county officials. Already nearly fifty head are reported as having died from the disease.

* The big sheep barn at the stock yards in Omaha, Neb., which has been enlarged, is now under roof, and the work of completing the interior is being pushed. The barn is built of brick and galvanized iron. It has a daily capacity for 15,000 sheep.

* Exports from New York last week were 2,461 bbls. pork, 6,497,650 lb lard and 4,487,400 lb bacon.

* Articles of incorporation have been filed by the Tait Storage and Salt Company, Superior, Wis. Its capital stock is given as \$2,000. The incorporators are Wm. Lyle Tait, president; Harrie Rogers and Ezra E. Arner.

* A public market for the South Side in Kansas City, Mo., is now said to be assured. The site selected for the building is at the northeast corner of Main and Thirteenth streets. The structure will be built of brick, having a skylight roof and granitum walks. The building will have a frontage of 100 feet on Main street and 115 feet on Thirteenth street. It is accessible by six different lines of street railways, and the proprietors of the 42 stalls, the latter being 10x12 in dimensions, will be selected for their known honorable dealings, and who are known to sell first-class goods. The area on the southeast corner of Thirteenth and Main streets will be devoted to wagon sheds, and will have accommodations for 75 vehicles. Work will be begun on the building Aug. 1, and will be ready for occupancy, it is expected, between Sept. 15 and Oct. 1. The promoters are all well-known, public-spirited men. The directors are O. H. Dean, chairman; Jacques



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First Avenue and 102d Street; Twelfth Avenue and 132d Street.**BROOKLYN:**DEPOTS: Pacific and 5th Avenues; Wallabout Market.
Also Branches and Depots in all of the Principal Cities of the United States.**MANHATTAN BEEF CO.,**1, 2 and 3 MANHATTAN MARKET,
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Ave., New York.WHEELER, BRADSTREET
& CO., 100 and 102 Gansevoort St., New York.EAST RIVER BEEF CO., Ltd.
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Chicago Dressed Beef,
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Hogs, Provisions.**BRANCH HOUSES.**ATLANTIC BEEF CO., Ltd.,
174 and 176 Fort Greene
Place, Brooklyn, N. Y.PACIFIC BEEF CO., 106 N.
6th St., Brooklyn, E. D.HOBOKEN BEEF CO., Ho-
boken, N. J.**N. H. Snyder,** SHIPPER AND DEALER IN
Standard Provisions
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Samples and Prices for the Asking.

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PAPER MAKERS,

Nos. 12 and 14 Decatur St., Philadelphia, Pa.



L. Morgan, secretary; J. H. North, A. N. Church, C. J. Hubbard, C. W. Armour, Web Withers, Homer Williams and F. M. Dear-dorff.

* The Michigan Salt Company, Marine City, that State, is rebuilding its works which were destroyed by a boiler explosion a year ago. The company will put in a plant costing \$20,000.

* The Virginia Beef Extract Company, Alexandria, Va., whose plant was recently destroyed by fire, will rebuild. The new structure will be four stories high and will be completed within 35 working days.

* Dr. Boyd Baldwin has been appointed government meat inspector at St. Louis, Mo.

* H. P. Chesley has resigned as general manager of the Sioux City (Ia.) Stock Yards, to take effect Sept. 1, or as much sooner as his successor can be chosen by the Board of Directors.

* Additional cattle and hog pens will be erected by the Bourbon Stock Yards Co., of Louisville, Ky. The additions will cost \$150,000.

AMONG THE RETAILERS.

William Petig has bought John W. Grote's Ward street market business in Rockville, Conn.

H. B. Warn has discontinued the meat business in Hallstead, Pa.

Frank C. Swartzlander has purchased the meat market of Mr. Buzzard in Brookville, Pa., and will open a first-class market in a few weeks.

William Place, of Little Neck, N. Y., has bought the butcher business of his son Edward at Great Neck.

NEW MARKETS.

M. O'Connor, Schaghticoke, N. Y.

Ira Doolin, Enosburg Falls, Vt.

George Hebden, Sharp and Harvey streets, Wissahickon, Pa.

A. Allen, 16 West Main street, St. Johnsville, N. Y.

B. S. Bradley, 100 Grand avenue, Fair Haven, Conn.

McLaughlin Bros. have opened a new meat market in Dunkirk, N. Y.

R. T. Todd, Gadsden, Ala.

SPECIFIC HEATS OF MEATS, ETC.

The following are a few calculated specific heats of articles frequently to be found in refrigerating chambers, and the most suitable temperature for preserving them at:

Name.	Specific Heat.	Storage Temperature.
Lean beef77	34° Fahr.
Fat beef60	34° "
Veal70	34° "
Pork51	34° "
Eggs76	35° "
White fish82	27° "
Poultry80	30° "

—London Meat Trades' Journal.



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98 MAIDEN LANE, NEW YORK.

TALLOW, SOAP, GLUE, FERTILIZER AND COTTON OIL TRADE NOTES.

CORRESPONDENTS, SUBSCRIBERS AND OTHERS SENDING ITEMS FOR THIS COLUMN SHOULD MAIL THEM SO AS TO REACH THE EDITOR NOT LATER THAN THURSDAY EVENING.

Tallow-renderers, soap makers, glue manufacturers, fertilizer manufacturers, and cotton oil manufacturers could do well to make known their wants in this column, which would result in their being placed in immediate correspondence with the leading firms interested in these lines who carefully peruse these notes.

A report has been issued at Washington on the patents of the United States for the year 1895. It is stated that during that year 1,926 patents in oils, fats and glue have been granted. Glycerine was for many years made by the Tilghman process, according to which fat was decomposed by water or steam at a high temperature. This process is now superseded. All glycerine is now made from soap underlye, which was formerly a waste product. The first patent for a process for doing this was granted in 1870, but the process was not greatly improved until the process of distilling glycerine by the aid of reheated and expanded steam was devised in 1894. Within the last decade the extraction process has been used with great advantage in extracting wool fat from wool, grease from garbage and linseed oil from linseed. Cottonseed oil was formerly made by steaming the seed and expressing the oil. This process has been super-

seded by extraction processes by aid of volatile solvents, which are afterward separated from the oil by distillation.

It is reported that E. A. Ashley will put up an oil mill in Simpson, Miss.

John Truax, George Goodrich and Jacob Stern are making a strong effort in Upper Sandusky, Ohio, to organize a co-operative partnership to convert the east school buildings, recently purchased by Mr. Truax, into a soap factory.

Lumbermen are bidding on one million feet of lumber to be used in the construction of an oil mill in Seguin, Tex.

C. Obst Odell & Co. have commenced the manufacture of soap in Adams, Mass.

The Glenrose Soap Company has been organized in Ellsworth, Me., to manufacture soap on a large scale. The following are the officers: F. Carroll Burrill, president; F. W. Chapman, general manager; F. Carroll Burrill, Frank W. Chapman and W. F. Aikin, directors.

The Planters' Oil Mill Co., in which several well-known cattlemen of Fort Worth, Texas, are interested, has been organized. A plant at Alvarado has been purchased and extensive improvements will be made.

A stock company is being formed in Rome, Ga., to erect a 50-bale ginnery and cottonseed oil mill of 20 tons capacity. It is said Mr. E. Van Winkle, of Atlanta, Ga., is interested.

The Kaufman Cotton Oil Co. has been in-

(Continued on page 36.)

TINNOL, a Paste that Sticks.

NO PEELING OFF.

NO RUST SPOTS ON TIN.

NO DISCOLORING OF LABELS.

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Manufacturers of "White Star" Brand of Lard. "Eagle" Brand of Hams and Breakfast Bacon. "Peerless" Brand Sausages.
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PURE LEAF LARD, 3, 5, 10-LB. PAUL TUBS, TIERCES.

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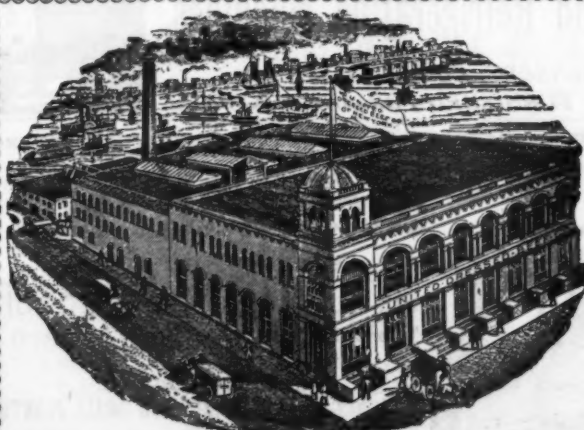
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Registered Cable Address "Roomfull," New York

See Coupon on Page 26.



The United Dressed Beef Company

Salesroom Telephone
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OF NEW YORK,

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CITY DRESSED BEEF.

PACKERS AND EXPORTERS OF INDIA MESS AND ALL SALT BEEF

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ISAAC BLUMENTHAL, President.
LEWIS SAMUELS, Treasurer.

GEORGE STRAUSS, Vice-President.
LEWIS A. LONDON, Secretary.

WANT AND FOR SALE ADS, can be found on PAGE 45.

ICE AND REFRIGERATION.

Those interested in this subject should not forget to look also at Packers' and Slaughterers' Notes, and other trade news columns in this paper.

Employers in want of help, and employees in search of positions, and such wanting to dispose of machinery or desiring to purchase same should look at our WANT AND FOR SALE COLUMN on page 45.

Persons in need of an Ice Machine or Refrigerating Appliances should make their wants known to us. Their publication in this column which is perused by the leading ice machine manufacturers in the country would bring them a series of replies.

—Through the courtesy of the managers of the Merchants' Freezing and Cold Storage Co., Providence, R. I., a party of about 100 members of the Providence Association of Mechanical Engineers, with lady friends, recently made an inspection of the company's extensive plant. It is equipped with eleven miles of brine pipes and there are 65,000 gallons of brine in use.

—Work is progressing rapidly on Scanlon's new meat storehouse in Fitchburg, Mass. The building will have all the conveniences of an up-to-date storage house.

—The Union Ice Company has been incorporated in Los Angeles, Cal., with a capital of \$65,000, by Lloyd Tevis, J. Cuhn, I. H. Thompson, J. Cashin and J. Martin, of San Francisco.

—The ice factory of the City Ice Co., of Augusta, Ga., is being enlarged from a daily capacity of 55 to 110 tons. It is said that the contracts for machinery have been awarded.

—A cold storage plant will be constructed in connection with the ice factory of the Water Works Co., of Hempstead, Texas.

—A company to erect an ice factory is being organized by W. J. Wright, of Sistersville, W. Va.

—The gross income of the Consolidated Ice Company, of Maine, last year was \$3,570,257; net, \$755,536. From this was paid interest on bonds amounting to \$69,221; other interests and discounts, \$48,252; preferred

NEPONSET RED ROPE INSULATING PAPER

FOR LINING

Cold Storage Houses



Refrigerators Cars, Etc.

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F. W. BIRD & SON,
EAST WALPOLE, MASS.
THIS PAPER IS ACCEPTED BY EXPORTERS AS THE STANDARD RECEPTION.

WATERPROOF AIR TIGHT, CLEAN, A HIGH NON-CONDUCTOR AND ABSOLUTELY ODORLESS.

dividends, \$173,538, making a total of \$291,581, leaving \$463,925 for the common stock.

—In the United States Court in Denver, Col., Judge Hallett rendered an opinion by stipulation in the contest between the American National Bank and the Denver Ice and Refrigerator Company. The bank claimed that the refrigerator company was infringing on patents held by the bank, and brought suit to recover damages. Under the terms of the settlement, the bank will have full control of the pipe system by which anhydrous ammonia was distributed and a frigid temperature was created at various points along the line. The refrigerator company will operate and maintain its refrigerator plant without further hindrance from the bank. Owing to the high cost of the pipe system, its work was discontinued some time ago, and it is now lying dormant.

—R. Riesterer, in Nelson, B. C., Can., is putting in a \$6,000 ice plant.

—The new ice machine built for the Consumers' Ice Company, in Richmond, Va., is completed and in operation. The plant's daily capacity will be 15 tons.

—The Visalla (Cal.) Mfg. Co. intends to build a brick cold storage room next fall. It

will be located immediately east of the ice factory.

—E. P. Maddox is putting up an ice plant in Tucson, Ariz.

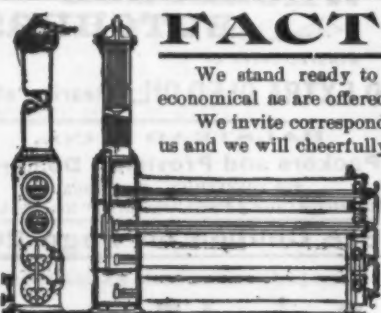
—It is reported that a new ice works will be established in Tucson, Ariz., to be ready for operation Jan. 1, 1898.

—J. H. Halloran, of Texas, who recently purchased the Brown property in Los Angeles, Cal., will erect an ice plant there.

* A high pressure ammonia tank in Heitzberg Bros.' pork packing establishment in St. Louis, Mo., exploded last week, killing John Fisher, the engineer, and badly damaging the property. George Heitzberg, the manager, said that the place was covered by insurance and that business could be resumed in a few days.

* W. H. Porter, representing the G. H. Hammond Company, has established a branch of the company's business in Spokane, Wash., with G. C. Howe, of Omaha, in charge.

E. J. Hamley can give information in reference to the proposed cottonseed oil mill of 20 tons capacity, which is to be erected at Lake Providence, La.



GENERATOR—Pat. Jan. 24, 1888, and Sept. 23, 1890.

FACTS. All Ice Manufacturers know that there are inferior Ice and Refrigerating Machines built.

We stand ready to challenge any builders to show that our machines are as efficient and economical as are offered in the market.

We invite correspondence. Should any contemplative purchasers wish any information, write us and we will cheerfully give it our prompt attention and send illustrated catalogue.

SULZER-VOGT MACHINE CO. LOUISVILLE, KY.

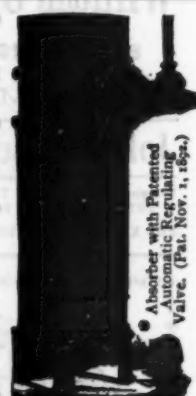
Builders of Latest Improved

Ice and Refrigerating Machines.

ATMOSPHERIC CONDENSERS, COILS, TANKS

FURNISHED FOR ANY MACHINES.

Write for Prices.



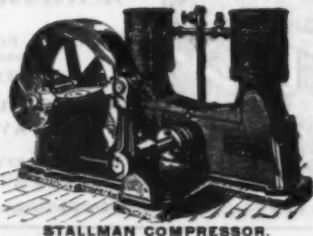
Absorber with Patented Automatic Regulating Valve. (Pat. Nov. 1, 1892.)

REFRIGERATING MACHINES

For PACKERS, BUTCHERS, COLD STORAGE, WAREHOUSES, ETC.

A First-Class Plant Pays.

DIRECT EXPANSION, BRINE STORAGE, and BRINE CIRCULATING SYSTEMS.



STALLMAN COMPRESSOR.

We are the Sole Manufacturers of the **STALLMAN COMPRESSOR**

For Simplicity, Durability, Efficiency and Economy in operation, THEY HAVE NO EQUAL.

OUR SPECIALTY: 2, 4, and 6-TON MACHINES FOR SMALL PLANTS.

For Power we furnish ELECTRIC MOTORS, GAS, GASOLINE or STEAM ENGINES. Estimates and Descriptive Circulars cheerfully furnished.

CREAMERY PACKAGE MFG. CO., 1, 3, 5 West Washington Street, CHICAGO.

THE
DE LA VERGNE REFRIGERATING MACHINE CO.
Manufacturers of
Refrigerating AND Ice-Making Machines
AND ANHYDROUS AMMONIA.

Read the following AWARD from the DIPLOMA received by us from THE WORLD'S COLUMBIAN EXPOSITION.

AWARD.

For production of Anhydrous Ammonia Compressors for refrigerating purposes, of First-Class Efficiency, Durability, Design, Workmanship and Finish, having a pair of vertical double-acting compressing cylinders, operating from two cranks driven by a horizontal double-acting steam engine, occupying a minimum floor space for given capacity, with automatic devices for circulating oil through the compressing cylinders for the purpose of securing perfect displacement of gas, of absorbing the heat of compression so as to require no water-jackets.

For first-class design of the ammonia condensing apparatus, involving the use of a special line of pipe-fittings and valves, of superior strength and completeness; for an excellent arrangement of cooling-water distributing surfaces and liquid ammonia collecting pipes, and complete provision for conveniently operating, cleaning and repairing all parts of the system so as to secure steady action under the most economical conditions.

For successful application of the principles of artificial refrigeration, by the direct expansion of ammonia.

For a complete system of constructing Refrigerating Plants and manufacturing specially designed appliances therefor, all of which are undoubtedly the most elaborate and complete fittings for this purpose yet introduced. The exhibitors adhere to the practice of making all pipe joints with screw threads, sealed with a special solder, which is undoubtedly the most secure method of making joints in ammonia work.

Approved.—W. A. JAMES,
Vice-President Departmental Com.

(Signed) J. E. DENTON,
Individual Judge.

Approved.—JOHN BOYD THACHER,
N. H. Chairman Executive
Committee on Awards.

WE BUILD THE MOST SUBSTANTIAL AND DURABLE MACHINES AND PLANTS FOR REFRIGERATION AND ICE-MAKING MADE IN THE WORLD. THE RECORD MADE BY OUR PLANTS IN OPERATION IS A PROOF OF THIS FACT.

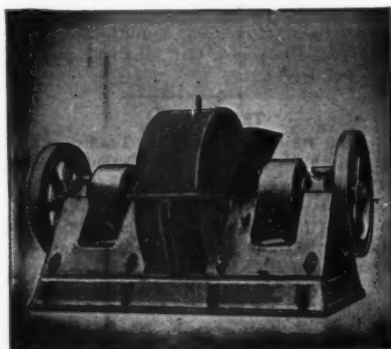
WE MAKE NO GUARANTEES WE CANNOT FULFILL.

MAIN OFFICE AND WORKS: FOOT OF EAST 138TH STREET, NEW YORK.

BRANCH OFFICES.

PHILADELPHIA, Pa., Girard Building, cor. Broad and Chestnut Sts.
ST. LOUIS, Mo., 8th St. and Park Ave.
CHICAGO, Ill., 507-508 Security Building, Madison St. and 5th Ave.

NEW ORLEANS, La., 712 Hennen Building, Cor. Carondelet and Common Sts.
CINCINNATI, O., 811 Neave Building, Fourth and Race Streets.
BOSTON, Mass., Tremont Building.



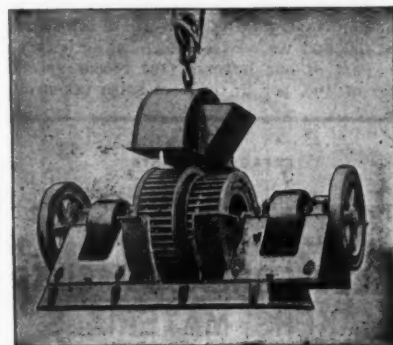
"Stedman's Disintegrators" ARE THE BEST

Are used by nearly every large packing house and fertilizer establishment in the United States. References:

Armour & Co., Chicago and Kansas City.
Swift & Co., Chicago, Kansas City and East St. Louis.
Cudahy Packing Co., Omaha, Neb.

Write for Catalogue and full Descriptive Matter.

We manufacture machinery for equipping complete fertilizer plants, consisting of Disintegrators, Bone Breakers, Mixing Pans, Screening Elevators, Engines, Boilers, Shafting, Pulleys, etc.



Stedman Foundry and Machine Works, AURORA, IND.

The **Blanchard Disintegrator**

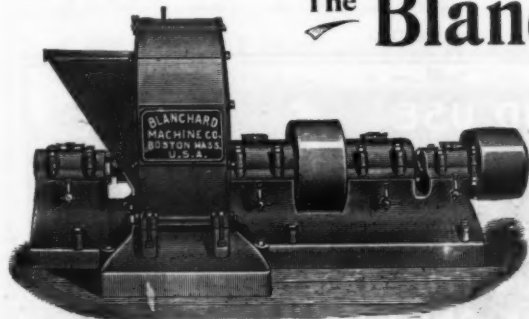
IS THE ONLY UP TO DATE MACHINE.

It is the result of scientific design, backed up by careful tests and long experience. It is not everybody that can build a Disintegrator that will give satisfaction under severe conditions and hard service. To accomplish this result

THE CONSTRUCTION MUST BE OF THE VERY HIGHEST GRADE.

The Blanchard Disintegrator will grind Bone, Glue, Tankage, Soap Powder, Caustic, Salt, Chemicals, Sticky and Resinous material, and in fact any brittle or soft material.

Write for catalogue giving full information regarding your material.



BLANCHARD MACHINE CO.,

303 Congress St.,
BOSTON, MASS.

TALLOW, SOAP, GLUE, FERTILIZER AND COTTON OIL TRADE NOTES.

(Continued from page 32.)

corporated by J. M. Hardaway, Geo. G. Fuller and A. E. Carlisle, at Kaufman, Texas, to manufacture cottonseed products. The capital stock is \$10,000.

R. A. Allison is manager of a proposed cottonseed oil mill at Winona, Miss. The contracts for machinery and building have been awarded.

A fertilizer factory will be erected on the 30 acres of land purchased at Nashville, Tenn., by T. G. Tinsley and A. D. Ledoux, of Richmond, Va. The name of the company will be the Tennessee Chemical Co.

It is probable that a cottonseed oil mill will be erected in Cross Hill, S. C., during the summer. Dr. J. H. Miller is interested in the project.

It is reported that J. D. Anthony will erect a cottonseed oil mill at Field, S. C.

PAGE'S BULLETIN.

Under date of last Monday, June 28, Carroll S. Page, the veteran calfskin buyer, of Hyde Park, Vt., says:

Beef hides advance another $\frac{1}{4}$ c. per lb. Country Hides.—Continued activity prevails, and we feel justified in advancing prices another $\frac{1}{4}$ c. per lb. This brings our to-day's quotations, we paying freights from nearly all points east of the Mississippi River, as follows: Green salted, trimmed and cured weights: Page's special take-off, $8\frac{1}{4}$ c. per lb; regular No. 1 stock, $7\frac{3}{4}$ c. per lb; bulls and stags, 7c. per lb. Green trimmed weights: Page's special take-off, $7\frac{1}{4}$ c. per lb; regular No. 1 stock, $6\frac{3}{4}$ c. per lb; bulls and stags, 6c. per lb. Butchers' green, untrimmed or drop weights: Page's special take-off, $6\frac{3}{4}$ c. per lb; regular No. 1 stock, $6\frac{1}{4}$ c. per lb; bulls and stags, $5\frac{1}{2}$ c. per lb. Quotations for Page's special take-off apply only to No. 1 cow and steer hides. On regular grades the usual $\frac{1}{4}$ c. per lb discount from above quotations will be made on No. 2's. Calfskins.—There is a strong market, and we advise continued activity on the part of our buyers. Our recent special offer of 16c. per lb for veal skins taken off,

cared for, and shipped according to our special directions, which we furnish free on application, still holds good. Butchers will make a serious mistake if they fail to take advantage of this offer on both hides and calfskins. Horse Hides.—Market steady, with continued excellent demand for whole hides with head and legs on. Inferior stock dull. Sheep Pelts.—Market strong with upward tendency. Tallow—Market unchanged and quiet.

Advertising is the pulse of trade.

BUSINESS CHANGES.

Frederick S. Lefever, groceries and meats, Hartford, Conn., has sold out.

The ownership of the Public Market Co., not incorporated, Hartford, Conn., changed July 1.

Goldstein Bros., sausage factory, Chicago, have confessed judgment for \$2,561.

Cripe & Landshaw succeed Frank Cripe, market, Goshen, Ind.

M. Stover, provisions, Haverhill, Mass., has given a chattel mortgage for \$1,000.

Adelard Lessard, groceries and provisions, Lowell, Mass., has mortgaged blacksmith's tools for \$150.

John A. Gearhart, Van Wert, Ohio, meat, has given a chattel mortgage for \$1,000.

M. P. Sanders, Ashland, Wis., groceries and meat, has given bills of sale for \$500 and \$1,000.

W. B. Dormer, retail meats, Richmond, Ind., has given a real estate mortgage for \$200.

Merritt T. Ober, of W. H. Freeman & Co., provisions, Mount Desert, Me., has sold real estate for \$1.

Solomon E. Hopkins, cattle dealer, Whitefield, Me., has given a real estate mortgage for \$2,000.

Chas. F. Smith, sheepskins, Boston, Mass., has assigned.

Lester F. Jewett, provisions, Concord Junction, Mass., has sold real estate for \$1.

John B. Shea, meat and groceries, Westfield, Mass., has given a chattel mortgage for \$500.

If you are not using the Forbes Indexed Coupon Books you might find it to your advantage to try them when your present stock of books runs out. You will be specially pleased with the Number 2. It will have your name on each coupon, and the book cannot possibly be doctored or tampered with. See ad.***

RECENT PATENTS AND TRADE-MARKS.

585,565.—Cash register. Frederick L. Fuller, Trenton, N. J.

585,248.—Combined cash register, indicator and recorder. Robert Baumann and Theodore H. Wurmb, St. Louis, Mo.

585,191.—Crushing machine. Melker J. Eichhorn and Morton G. Bunnell, Chicago, Ill., assignors to Frederick C. Austin, same place.

585,250.—Combined electric fan and electrolier. Edwin H. Bennett, Jr., Bayonne, N. J.

11,615.—Re-issue.—Process of refining and bleaching animal fats. Emerich Meissl, Vienna, Austria-Hungary.

585,643.—Process of rendering fats. Joseph Glatz, Brooklyn, and Orazio Lugo, New York, N. Y., assignors to the International Mambino Chemical Company, Washington, D. C.

585,347.—Process of making soap. Julius Stockhausen, Crefeld, Germany.

TRADE-MARKS.

30,300.—Soap dissolved and cooled in convenient receptacles. The Procter & Gamble Company, Cincinnati, Ohio. Essential feature, the words "Ivory Paste."

THE WEEK'S EXPORTS.

The exports from New York to foreign ports for the week ending June 29, include 17,094 gallons lard oil, 236,866 gallons cottonseed oil, 3,147 bbls. pork, 1,251 bbls. beef, 688 tcs. beef, 8,531,612 lb cut meats, 706,494 lb butter, 2,361,493 lb cheese, 5,649,209 lb lard and 1,633,600 lb tallow.

OBITUARY.

Benjamin C. Brown, for years a salesman for the Armour Packing Company, died recently in Hot Springs, Ark., whither he had gone to the bedside of his sick wife.

R. W. Heilman, the soap manufacturer, is dead in San Francisco, Cal. He was prominent in politics.

"TRAFFIC."

We have received a copy of Traffic, published monthly by Burk & McFetridge Co., Philadelphia, and devoted to "the fostering of American enterprise, talent and skill. The extension of international trade by reciprocal interchange of non-competitive products between the United States and foreign countries," etc. It is a very interesting publication and well edited.

ESTABLISHED 1876

L. KRAUSKOPF,

DEALER AND EXPORTER IN

**TALLOW, GREASES AND SOAP
MAKERS' MATERIALS,**

430 North Third Street, and 425 Dillwyn Street,

PHILADELPHIA.

—ORGANIZED 1888.—

The New York Butchers' Calfskin Association,
OFFICE, 407 E. 47th STREET, NEW YORK CITY.

Sell your calfskins to us. We divide all profits to stockholders. No other dealers do this.

Our wagons call at your place for calfskins.

KEEP UP WITH THE TIMES AND USE
GEBHARDT'S BERLINER KONSERVIRUNGS SALZE
B. HELLER & CO., GENERAL AGENTS FOR UNITED STATES
CHICAGO OFFICE & WAREHOUSE. CHICAGO, U. S. A. & CANADA
249, 251, 253 JEFFERSON STREET.

SWIFT'S..... CHICAGO DRESSED Beef, Mutton, Lamb, Veal, Pork

AND A FULL LINE OF SWIFT'S FINE PROVISIONS

Can be had at our branch houses in
New York, Brooklyn and Jersey City.

BRANCH HOUSES:

G. F. and E. C. SWIFT,
Proprietors.

General Offices,
105 Barclay St., N.Y.

G. F. & E. C. Swift, 105 Barclay st.
Gansevoort Beef Co., 22 and 24 10th ave.
Washington Market Sheep Co., W. Washington Market.
Swift Provision Co., Cor. 13th st. and 10th ave.
G. F. Swift & Co., Manhattan Market (W. 35th st.).
Swift Sheep & Prov'n Co., 11th ave., 34th and 35th sts.

Swift Brothers, 182 and 184 Fort Greene place.
Fort Greene Sheep Co., 172 Fort Greene place.

NEW YORK.

North River Beef Co., Foot W. 39th st.
Riverside Beef Co., 130th st. and 12th ave.
Swift Bros., Morrisania, 709 and 771 Westchester ave.
Harlem Beef Co., Foot East 127th st.
Murray Hill Beef Co., Foot East 31st st.
Centre Market Beef Co., Cor. Centre and Grand sts.

BROOKLYN.

Williamsburgh Beef Co., 100 and 102 N. 6th st.
Brooklyn Beef Co., 74 and 76 Atlantic ave.,
Swift Brothers, Wallabout Market.

JERSEY CITY.

Swift and Company, Ninth Street Market, 138 9th st. Swift and Company, Wayne Street Market.

THE CUDAHY PACKING CO.

Packers of REX BRAND

PROVISIONS, CANNED GOODS AND BEEF EXTRACT.

SHIPPERS OF CHOICE

Dressed Beef, Hogs, Sheep, Calves, Beef and Pork Cuts, and all
kinds of Tripe and Sausages.

ALSO MANUFACTURERS OF BUTTERINE.

PACKING HOUSES.

SOUTH OMAHA, NEB. CHICAGO, ILL.
SIOUX CITY, IA. LOS ANGELES, CAL.

BRANCH HOUSES.

The Cudahy Packing Co., Manhattan Market, New York.
" " " " Manhat'nville " "
" " " " Ft. Greene Place, Brooklyn.
" " " " 1 Blackstone St., Boston, Mass.
" " " " Clinton Market, " "
" " " " Worcester, Mass.
" " " " Fall River, " "
" " " " Pittsburg, Pa.
Holmes' Provision Co., Holyoke, Mass.
Nashua Beef Co., " Nashua, " "
Lee & Hoyt, " New Haven, Conn.
McElroy Bros., " Bridgeport, " "
Omaha Beef Co., " Danbury, " "
Waterbury Beef Co., " Waterbury, " "
W. W. Coates & Co., Providence, R. I.
A. H. Worthman Co., Philadelphia, Pa.

HARRISBURG, PA., OPERATED BY
HARRISBURG PROVISION CO.

LIVERPOOL, ENG.

WICHITA, KANSAS.

NEW YORK CITY.

BUFFALO, N. Y.

THE JACOB DOLD PACKING CO.

KANSAS CITY, MO.

WESTPHALIA
HAM.

CURERS AND JOBBERS OF
PROVISIONS AND CANNED MEATS

WHITE ROSE
LARD.

ESPECIAL ATTENTION PAID TO FOREIGN TRADE.

AND ALL PACKING HOUSE PRODUCTS.

ANGLO-AMERICAN PROVISION COMPANY, CHICAGO FOWLER BROS. (LIMITED), NEW YORK AND LIVERPOOL.

Pork Packers, Lard Refiners and Sausage Makers.

SOLE PROPRIETORS
OF THE UNRIVALED AND JUSTLY
CELEBRATED
BRANDS OF MEATS AND LARD:

Delmonico Peach and Cherry Brands
OF SMOKED MEATS.
Peach Leaf Lard. Apricot Lard.
ROYAL LILY COMPOUND.

Agents in most of the principal cities in the United States. Correspondence solicited.

ANGLO-AMERICAN PROVISION CO.

BENTLEY & GERWIG, Limited,
MANUFACTURERS OF

ROPE, TWINE and CORDAGE,

Hide Ropes, Pork Packers and Sausage Twine a specialty. Cotton Waste, etc.

69 WEST WASHINGTON STREET

CHICAGO.

Drescher, First & Co.

(INCORPORATED.)

WHOLESALE DEALERS IN

VEAL, MUTTON & LAMB,

Abattoir and Offices: 776 FIRST AVENUE,
Branch Office: 751 FIRST AVENUE,

Telephone Call, 936 38th St.

NEW YORK.

Try a LITTLE AD. on Page 45.

Battelle & Renwick,

163 FRONT STREET, NEW YORK.

ESTABLISHED 1840.



MANUFACTURERS OF

REFINED SALTPETRE.

CRYSTALS,
GRANULATED,
POWDERED.

FOR PACKERS' USE.

THE BLAUVELT-WILEY PAPER MFG. CO.,

MANUFACTURERS OF AND DEALERS IN

PAPERS, TWINES AND CORDAGE.

Tapes for Wrapped Meats and Provisions a Specialty.

121 Duane Street, - - New York City.

PHONE, 1002 FRANKLIN.

THE NATIONAL PROVISIONER.

ANNUAL SUBSCRIPTION

ONLY \$4.00 FOR 52 WEEKLY ISSUES.
FOREIGN, \$5.00.

NEW YORK CITY AND VICINITY.

Employers in want of help, and employees in search of positions, and such wanting to dispose of machinery or desiring to purchase same should look at our WANT AND FOR SALE COLUMN on page 46.

****The firm of Gallup & Hurry, William street, this city, is not a fictitious one or a misnomer. It exists and flourishes and is evidently forging ahead, as the firm's peculiar designation would imply.**

****A calf killing and dressing contest took place at Krobels Boulevard Park, North Bergen, N. J., Friday afternoon of last week, between Frederick Herwerth, of Jersey City, and Julius Pfeiffer, of this city. Each man was required to kill and skin ten calves for a purse of \$100. Fully 400 spectators witnessed the contest. Herwerth won the contest. He had eight calves killed and dressed by the time Pfeiffer had five. The latter then acknowledged his defeat. Herwerth completed his task in just twenty-one minutes.**

****A complimentary dinner was given to Congressman David F. Wilbur, of the Twenty-first District, Wednesday night at the Hotel Savoy, by the members of the Mercantile Exchange and the friends of pure food for the people. About seventy-five guests were present, and Washington Winsor presided. The dinner was given in recognition of the indefatigable aid rendered by Congressman Wilbur in securing the passage of the Filled Cheese bill. The following were invited to attend: James Wilson, Secretary of Agriculture; Chas. A. Wieting, Commissioner of Agriculture; W. B. Allison, Chas. H. Grosvenor, Justin S. Morrill, James S. Sherman, D. B. Hill, Nelson Dingley, Jr., S. A. Cook, Chas. A. Chickering, Geo. W. Ray, Amos J. Cummings, David B. Henderson and Fred C. Schraub. The speakers were G. T. Southwick, Chas. H. Grosvenor, H. E. Alvord, Julius D. Mahr, W. E. Smith, General Jas. R. O'Beirne, B. Estes and B. F. Van Valkenburgh. Others present were: James E. Nicola, J. W. Murphy, W. S. Buchanan, D. W. Whitmore, A. G. Turner, E. H. Sayre, A. Pearsall, C. G. Macy, F. H. Kracke, W. H. Keating, E. D. Depew, F. A. Potter, J. Wills, M. B. Miller, A. D. Marks, F. B. Swift, A. E. Meyer, R. J. Dean, A. W. Grant and Chas. F. Barre. The Committee of Arrangements was comprised of W. E. Smith, W. G. De La Mater, J. D. Mahr, B. F. Van Valkenburgh, J. H. Snyder, A. D. Marks and D. W. Whitmore.**

****The city of Hoboken is much exercised over the visits of two men, who, it is claimed, are violating the sanitary code of the State of New Jersey. The names of the men are David Canter, at present of Jersey City, and Louis Stern, of New York City. It is said there is evidence enough for the Grand Jury to indict these men. Canter violates the sanitary code by maintaining a nuisance by rendering fat in an open kettle. Louis Stern is said to have no license to render fat at all, no license to cart it through Hudson County, and openly brings it into New Jersey from New York. Stern has closed kettles in his place at Penhorn Creek and Old Secaucus road. Canter's and Stern's friends are trying, says a Hoboken paper, to make the people of West Hoboken and North Bergen believe that the swillmen and the keepers of cows in Secaucus are responsible for the horrible and dangerous stenches that fill the air.**

****The Board of Health meat inspectors for the week ending June 30, condemned 19 calves, 1,000 lb; 1,800 lb veal; 540 lb sheep; 1 barrel meat, 200 lb; 29 barrels poultry, 5,800 lb.**

****Jas. McLean put in a new ice house for J. E. Hendrickson, Point Pleasant, N. J., this week.**

****J. Lehmann, 204 Ninth avenue, has had a new refrigerator put in his store.**

****Butchers will note that the prices of calf skins are now 16c. for No. 1, and 14c. for No. 2; this advance went into effect from July 1. Kips are advanced 20c. on each grade.**

****Daniel Kiel, a Washington Market butcher, died, after a long illness, on June 24. Twenty years ago he organized the Bloomingdale Germania Butcher Guard, was elected captain, which office he held till last spring. His body was interred in the Lutheran Cemetery, Brooklyn. He leaves a wife and three children.**

****One of the finest out-of-town markets that it has been our privilege to inspect is that of MacKenzie Bros., of Bridgeport, Conn. It runs through a whole block, from State to Bank streets. It is magnificently fitted up with plate glass, marble counters and brass furnishings. The ice box has a capacity of over a carload. Beside the usual meats and provisions they vend all kinds of canned goods, delicatessen, fruits and vegetables, the whole being under such artistic arrangements that when the several hundred electric lamps are lit the interior presents a most pleasant picture, and the crowd of shoppers at all hours of the day is not far below that witnessed at some of our large local dry goods establishments. We wish the firm success in their large enterprise, and if we may judge by appearances, it is well assured.**

****The Eastmans Company has moved its offices to Eleventh avenue and Fifty-ninth street.**

****New York stock of prime lard on July 1, 17,028 tierces; total, 19,361 do.; last year, 25,936 do., all kinds.**

THE HAMBURG-AMERICAN COMPANY.

The Hamburg-American Steamship Line has had printed in very neat and attractive form a pamphlet containing a brief history of the line during the fifty years of its existence, the completion of which was so appropriately celebrated on May 25, as reported in "The National Provisioner" at the time.

BILLINGHAM'S MEAT CUTTER.

These qualifications claimed for the new silent meat cutter, illustrated in our advertising columns, and manufactured by P. Billingham & Co., of Trenton, N. J., will explain the large demand there is for it by the trade. The machine cuts meat so as not to crush, grind or tear it. It cuts meat with little power in a short time. It is built of iron and steel. The knives do not strike against anything to cut the meat, the meat being cut by the knives coming in contact with it, and in no other way. The firm has received many unsolicited testimonials of the efficacy of their machine, and those interested should write for descriptive circulars.

ARE YOU OUT OF EMPLOYMENT? DO YOU WANT A POSITION? TRY A LITTLE AD. ON PAGE 45.

PAGE'S SUGGESTIONS TO SHIPPERS.

In a special circular, Mr. Page gives eighteen suggestions to shippers who contemplate sending their hides, skins, pelts and tallow to him. They are:

1. Always write for special shipping directions. It often happens that the most direct routes are the most expensive.

2. Always bear in mind that these directions as to routes must be followed minutely and to the letter. Railroad agents usually feel it their duty to divert freight into channels that pay their own lines the largest tariff. This being the case:

3. Always take and send to us by first mail a railroad receipt, and in the receipt have the route via which the stock is to be shipped stated, unless you have full confidence that the station agent will so way-bill your stock that your shipping directions will be observed not only on your own, but on connecting lines of road.

4. Always observe that while we agree to pay freights from almost all sections east of the Mississippi River on everything except heavy hides, tallow and bones, we make that promise subject to the condition that the shipper will so arrange that stock comes via the routes directed by us, and if the shipper does not so direct and arrange, we shall be compelled to deduct from the value of the shipment the difference in freights occasioned thereby. The amount which we propose to pay towards the freight on heavy hides, tallow and bones will cover the greater part, and in most cases all, the changes from New Brunswick, Ontario, Quebec, New England, New York, Pennsylvania and New Jersey and even many Michigan, Indiana, Ohio, Virginia, West Virginia, Delaware and Maryland points.

5. Always destroy or cancel shipping directions previously received as soon as you receive new directions.

6. Always use blanks furnished by us in sending invoices of shipments and carefully observe the suggestions given therein. We furnish these blanks free on application.

7. Always send invoice by mail the same day that you make shipment of stock, and if advances are desired don't fail to send railroad receipt or bill of lading. If shippers accompany their invoices with railroad receipts and estimate of value of shipment, we are usually willing to send check as soon as invoice comes to hand for a sum equal to about three-fourths the approximate value of the shipment.

8. Always state in your invoice: First, the number of bundles, barrels, sacks, or packages, in the lot; second, the shipping weight of the entire lot; third, the number and detailed weights of the beef hides, if any; fourth, the number of each class of hides, skins, or pelts in the shipment.

TO BUTCHERS.

Butchers cannot fail to be interested in Page's Quotations for Calf Skins, which appear on page 8.

Horse Casings Wanted

SEND OFFERS TO KACHELMACHER & BÖHMER, 174 Chambers St., New York.

CASINGS

F. BECKER & CO.

3362 South Halstead St., CHICAGO, ILL.

WEIL'S CASING COMPANY,

626-630 HOWARD ST., BUFFALO, N. Y.,
Cleaner of and Dealer in all kinds of
SAUSAGE CASINGS.
Best Spices, Saltpetre and Potato Flour.

Manufacturers of **BEEF and HOG CASINGS**
and Dealers in **IMPORTED SHEEP CASINGS.**
Also, all kinds of **BUTCHER SUPPLIES.**
Factory, Union Stock Yards. Telephone Yards 664.

BERTH LEVI & CO.,
 39 PEARL STREET, NEW YORK. 19 MICHIGAN AVENUE, CHICAGO.
HOG AND BEEF CASINGS.
 Importers of English, Russian and New Zealand Sheep Casings.
BEST GERMAN POTATO FLOUR.
FOOD PRESERVATIVE DRY ANTISEPTIC.
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9. Always keep on hand a supply of our shipping tags and use them on all shipments to us. Regular shippers are supplied with tags with the shipper's name printed thereon, others with our printed tags, upon the back of which the shipper should write or stamp his own name plainly.

10. Always tag each bundle, except when carloads are shipped.

11. Always observe our special directions about marking, bundling, and shipping skins and hides taken off in accordance with Page's Special Directions, taking especial care to mark the tags with a cross or X, and putting an extra tag on the inside of each bundle.

12.—Always observe that it will aid us very much in billing off the stock of butchers, who expect us to buy their hides at green butchers' weights, if they will tag them when they take them off, noting upon the back of the tag the gross, tare, and net weights of the particular hide upon which the tag is placed, and if a stag or bull so state on the tag. Merchants and hide dealers should observe the same rule in buying green hides of butchers and farmers.

13. Always see that the green stock is salted before shipping, being careful to rub in salt thoroughly on heads, legs and flanks, and especially around the roots of the tail, and during the season of moths see that moths and bugs are whipped out of dry skins. Whip carefully so as not to injure the grain of the skins.

14. Always see that the station agent does not bill the stock at more than actual weight.

15. Always use strong cord in tying up your stock, and never put over 65 pounds of skins or pelts in a bundle. Fifty is better. We have a special cord made for us in five-ton lots, and supply it to our shippers on application at less than actual cost. Ask for our quotations.

16. Always send a dollar and get 66 large posters, half cloth, half paper, printed in your own name. They aid materially in increasing business.

17. Always remember that better skins mean better profits for you, therefore encourage your butchers and dairymen to take off and care for their skins according to Page's Printed Directions, which are furnished free for distribution to dairymen and butchers. Write for them. ALWAYS BE ENTERPRISING IN ADVERTISING YOUR BUSINESS, REMEMBERING THAT THE JUDICIOUS USE OF PRINTER'S INK PAYS MANY FOLD.

18. Always write for additional information if you fail to fully comprehend the import of any of the suggestions above given, or if at any time you find it impracticable to make shipments via routes named by us, or if the station agent declines to observe these directions.

LIVERPOOL QUOTATIONS.

Liverpool, July 2, 3:45 P. M.—Closing.—Beef—Dull; extra India mess, 53s. 9d.; prime mess, 45s. Pork—Dull; prime mess, fine Western, 45s.; medium Western, 42s. 6d. Hams—Short cut, 14 to 16 lb, dull, 39s. 6d. Bacon—Cumberland cut, 28 to 30 lb, dull, 26s. 6d.; short rib, 20 to 24 lb, steady, 25s.; long clear middles, light, 35 to 38 lb, steady, 25s. 6d.; long clear middles, heavy, 40 to 45 lb, steady, 25s. 6d.; short clear middles, heavy, 45 to 50 lb, steady, 24s. 6d.; clear bellies, 12 to 14 lb, steady, 25s. Shoulders—Square, 12 to 14 lb, dull, 25s. 6d. Lard—Prime Western steady, 20s. 9d. Cheese—American finest, white and colored, dull, 42s. Tallow—Prime city steady, 17s. 6d. Cottonseed oil—Liverpool refined steady, 15s. 3d.

Supplementary Reports.

PROVISIONS AND LARD.

(Continued from page 10.)

Thursday's markets were stronger and more active at the West, after opening a shade lower, with packers selling, followed by commission houses, whereupon the former turned buyers, with pretty heavy trading, causing an active market throughout the day, closing at or near the top, on good buying of the whole list by Armour's brokers, on which pork closed 12½¢@15¢, up, lard 5¢, and ribs 5½¢@7½¢, with renewed evidences of concentrated control of these markets. Receipts of hogs at Chicago were 35,000, as estimated; 13,000 at Kansas City, 6,000 at Omaha, with prices 5¢. lower and quality good. The week's packing at the West was 435,000, against 460,000 last week and 350,000 last year. Average weight of hogs packed at Chicago during June was 240 lb, against 249 lb a year ago, showing that there is an increasing deficit in this year's weight, compared with last, notwithstanding all the talk about heavy hogs we have heard the past season. But in the New York market there has been a scarcity of pigs, which have commanded extreme premiums over the medium and heavy weights. But the spot markets were dull, neither refiners of lard nor exporters being in the market for any grade. Western quoted 4.25¢@4.30¢ nominal in tcs., \$3.90 early, 3.95¢. closing, in tanks, and 3.75¢. for city refining grade, though that figure was bid and refused for the better brands. In mess pork only 100 bbls. were reported, at unchanged prices. Refined lard for the Continent was quoted up 5¢, to 4.00¢, without reported improvement in demand. In meats the market was irregular, with hams and shoulders lower both East and West. Sales of green in Chicago being made at 7½¢. for 16-lb, and at a shade under 8¢. for 8. P. do., with 14-lb green quoted 7½¢@8¢, and 12-lb 8½¢@8¾¢, sales of two or three carloads being made at those figures for New York. City hams and shoulders were affected in the same way, with pretty fair sales of shoulders at 5½¢@5¾¢, the inside price being exceptional, while some few brands are still peddling at 5½¢, but 5¼¢. is the top of the market for any sizable lots. Hams were also sold as low as 8½¢. for city pickled in fair amounts, as stocks of both are accumulating. 12-lb rib bellies were firm at 5½¢., on fair sales of a carload for the week to go out of town, besides the local jobbing trade. But 10-lb are easier at 6¼¢. asked and 6¢. bid. On the other hand, smoking bellies are firm at 6½¢@7¢., with a very good demand. The market for hogs in New York was 1-16¢@½¢. off, while pigs were scarce and firm.

New York stocks of prime lard on July 1 were 17,028 tcs.; total, 19,361 do.; last year, 25,936 do., all kinds.

Hog receipts for June at Chicago were 774,987, last year 704,995; shipments same periods 95,123 and 160,745, showing nearly one-half falling off in shipments with a year ago. Average weight June hogs at Chicago 240 lb.

July 1 deliveries in Chicago were 1,500,000 lb of ribs, 8,000 bbls. pork and 6,000 tcs. lard. The Chicago Packing Company delivered the ribs, the Anglo-American the pork and Boyd & Lunham the lard.

Chicago dispatches said that the 2,500 tcs.

lard each bought by Lindblom and Roloson were credited to Armour, while Norton & Worthington were large buyers of ribs. English houses are sellers of lard. Roloson a seller of pork and ribs. Lindblom is a large buyer of ribs.

Friday's markets opened West easier on 33,000 hogs at Chicago, instead of 28,000 estimated, with Cudahy and packers selling, causing a 10¢. decline in pork by noon, 2½¢@5¢. in lard and 5¢@10¢. in ribs on fair trading, with world's stocks of lard 10,000 larger than month ago, which was less than expected. Chicago stocks June 30 were 104,176 bbls. contract pork, 28,658 old; 239,944 tcs. contract lard, 43,102 old; 34,823,081 lb ribs. Estimates of hogs for Saturday 24,000, Monday 32,000, next week 155,000. Kansas City had 13,000, Omaha 6,000, and Chicago was 5¢. lower at close. Chicago was 7½¢@10¢. off for day on pork, 5¢@7½¢. on lard, 10¢@12½¢. on ribs, on realizing before the three holidays. There is a good market at close on neutral lard at 5½¢. West, 5¼¢. New York, as buyers on the other side are well supplied and holding for lower prices, while the West is also well sold up and holding firmly. The spot markets were almost a blank on the eve of the holidays, and prices were lower, with the West on speculative articles and easy all through the list.

Closing New York prices: Cash Western lard, in tierces, 4.25¢. asked; tanks, 3.90½¢.; city, 3.75¢. for refining grade; do., iron-bound, 4.30¢.; refined, continent, 4.60¢.; South American, 5¢.; Brazil, in kegs, 6.25¢.; compound, 3½¢@4¢. for city and 4¢@4½¢. for Western; neutral, 5¼¢. West and 5¼¢. New York.

Pork—Mess, \$8.50@\$9; clear, \$9@\$10.75; family, \$9.25@\$10.25; city pickled shoulders, 5½¢@5¾¢.; pickled hams, 8½¢@9¼¢.; 9-lb rib bellies, 6½¢.; 10-lb rib bellies, 6¢. bid and 6½¢. asked; 12-lb rib bellies, 5½¢.; loose; smoking bellies, 6½¢@7¢.; clear boxed bellies, in pickle, 5½¢. for Cuba; dry salted, do., 6¢.; Eastern dry salted clear bellies, 6¢. In Chicago: 16-lb green hams, 7½¢.; 14-lb, 7½¢@8¢.; 12-lb, 8½¢@8¾¢.; 16-lb S. P. hams, 7½¢@8¢.; California S. P. hams, nominal; green New York city hams, 8½¢@8¾¢.; green bellies, 5½¢@6¢. for the range.

Beef—Corned and roast, \$1.10@\$1.15 for 1-lb cans; 2-lb cans, \$1.90@\$2.10; 4s, \$3.95; 6s, \$6.25@\$6.50; 14-lb, \$14; mess, \$7.50@\$8; packet, \$8@\$9; family, \$9@\$10; extra India mess in tierces, \$12@\$13.50 for both extremes; hams, West, \$24 for new and \$25 for insides; \$27 for insides and knuckles together; cost and freight hams, new, here nominal at \$24.50; job lots, \$24.50@\$25; tongues, \$25 for large 6-lb average and \$23@\$24 for small.

TALLOW AND STEARINE.

(Continued from page 14.)

Thursday's markets were without quotable change or activity, East or West, in New York or Rotterdam, except in the latter market, where Harrison's oleo oil was sold at 40 florins, Morris' Extra at 39 florins, and Monarch at 37 florins for a few hundred barrels, the amount not being reported; and in city tallow, in which there was an active movement for the French markets reported, and generally credited in the trade, though not confirmed by the brokers said to have made the transaction. It was for 3,000 tcs. of prime new made city tallow, said to be at

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Live Hogs.
Which is the Most Profitable and Satisfactory to the Pack?—A Few Hints Regarding the Handling of Hogs in Hot Weather.—Unloading and Weighing: Hints to Buyers.—Packages.—Inspection.—Figures for the Country Pack.—To Avoid Sour Meats.—Cost of Handling Hogs in Yards.—Feeding.

Hog Killing.
Driving to Pens.—The Shackler.—Necessity of a Foreman.—Stripping Small Guts.—How to Avoid Destroying Them.—Scarring Guts.—To Avoid Destroying Large Guts.—Expense of Killing.—Men Required for Killing Gang.—The Work of Each Man on the Killing Gang.—Avoid Shoulder Sticking.—Temperature of Water in Scalding Tub.—Hog Scrapers.—The Scientific Portion of Hog Slaughtering.—The Expert Gutter.—The Shaver.—The Gut Bench.—Cans and Guts.—"Dark" and "Or" Color Lard Due to Careless Washing of Guts.—Do not Let Your Fat Go into the Sewer.—Hog Stomachs.—Leaf Lard.—Tongues.—How to Treat Them.—Temperature.—Dry Shaving.—Proper Handling, and After Effects of Poor Handling.—Shrinkage from Live to Dressed Weights.—Hair, Bristles, etc.—Carelessness of Killing Gang.—How to Avoid Losses.—When Water Should Be Used.

Pepsin Manufacture.
What is Pepsin.—Method of Preparation.—Straining and Filtering of Liquid.—Crude Pepsin.—Purified Pepsin.—General Treatment and Drying Process.

The Chill Room.
When to Put In.—Temperature of Room and Hogs.—Reduction of Temperature.—Lowest Temperature Permissible.—How Long to Hang Therein.—Watching the Temperature.—Proper Insulation of Chillrooms.—Artificial Refrigeration Prevents Sour Meats.—Where to Place Brine Tanks.—How to Run the Pipes.—Necessity of Reliable Men in Taking Temperatures.—Closest Attention Necessary.—Necessity of Competent Men.—Advantages of Thorough Mechanics.—Who Should Attend to Insulation.

Cutting of Hogs.
When to Commence Cutting.—Size of Gang.—The Cutting Gang.—The Chopper.—Instruments in Use.—Side Meat Trimmers.—Ribbers.—Backbone Sawers.—Shoulder Trimmers.—Blade Pullers.—Where to Chop the Backbone Out.—Other Men and Boys Necessary.—Cost of Cutting.—Domestic Cuts.—Export Cuts.—Loin.—Wrapping.—Cold Storage.—Treatment During Summer Season.—No Lean Meat to Tanks.—Spareribs.—Backbones, Neckbones, Hocks; What to do With Them.—Short-rib Middle (illustrated); How to Cut.—English Short-rib Middle (illustrated and explained).—Long Clear Middle (illustrated and explained).—Extra Long Clear Middle (illustrated and explained).—Long-rib Middle (illustrated and explained).—Cumberland Middle (illustrated and explained).—Yorkshire Middle (illustrated and explained).—Staffordshire Middle (illustrated and explained).—Dublin Middle.—Stretford Middle.—Birmingham Middle (illustrated and explained).—Short, Clear Sides (illustrated and explained).—Extra Short, Clear Sides (illustrated and explained).—Wiltshire Sides (illustrated and explained).—South Staffordshire Sides (illustrated and explained).—Clear Belly (illustrated and explained).—Rib Belly (illustrated and explained).—Welsh Sides.—Irish-cut Sides.—South Staffordshire Sides.—Clear Bellies, English.—Rib Bellies.—Pickled Clear Bellies.—Short Clear Backs, English (illustrated).—Short Fat Backs (illustrated).—Long Fat Backs (illustrated).—Pickled Clear Backs.—Short-cut Hams (illustrated).—Long-cut Hams (illustrated).—Stafford Hams (illustrated).—South Stafford Hams.—Manchester Hams.—Skinned Hams.—California Hams (illustrated).—Rolled Hams, Bone-

less (illustrated).—Boston Shoulders (illustrated).—Square Shoulders.—New York Shoulders (illustrated).—Regular Shoulders (illustrated).—Skinned Shoulders.—Rolled Shoulders, Boneless (illustrated).—Mess Pork (illustrated).—Prime Mess Pork (illustrated).—Extra Prime Pork.—Clear Pork (illustrated).—Extra Clear Pork.—Clear Back Pork.—Shoulder Butts, Lean.—Pork Loin.—Cumberland.—Short Ribs.

Fresh Meats.
Tenderloins.—Trimming.—Spareribs.—The Advantages of Spreading.—What Receptacles to Use to Give Meat a Good Appearance.—What Pieces Must not Be Gotten for Counter Trade.—The Handling of Spareribs, also Fresh and Smoked.—Meat Market Sales.

Hog Tests and Relative Values.
The Value of Tests.—What Percentage to Figure on Live Weight.—What to Figure for Cost of Manufacture.—Shrinkage When Determining Cured Yields.—Conclusion About Cutting of Hogs.

TABLE SHOWING AVERAGE WEIGHTS OF CUTS, MEATS, AND LARD YIELDED BY LIVE HOGS OF 110 TO 450 LB. (This table shows the worth the price of the book to every packer.)

Packing and Shipping Meats.
Sizes of Boxes.—How to Pack.—Eight Sizes.—Weights They Will Contain.—Material Used.—Care to Be Taken on the Journey.—How to Store on Board Ship.—Damage Due to Exposure.—Advantages of Having Men at Seaboard.—Cost of Packing Meats.—Average Amount of Salt Used.—How Much Borax to Use.—When to Pack in Borax, and Why.—Allowances for Shrink-Cover Cost of Borax.—Weighing Dry-Salt Meats for Export.—How to Handle Borax Meats and Dry-Salt Meats.—What Methods are Used to Keep Dry-Salt Meats Dry.—Advantage of Tight Boxes.—Points for Exporters How to Ascertain Cost and Profit.—Many Other Points of Value.

Points for Shippers of Provisions to England.
Regulations Adopted by the London Provision Trade.—American and Canadian Bacon Landed.—Pork and Heads in Barrels and Cases.—Mess Pork in Barrels of 200 pounds.—Beef in Tierces of 500 pounds.—Allowances and Terms.—Lard.—Bladders.—American Tierces.—Other Packages.—Canned (tinned) Meats.—Rules and Regulations of London Chamber of Commerce.—General Rules for Exporters.—Terms.—Invoices.—Weights.—Agents.

Domestic Packing and Shipping.
How to Pack and Ship: Domestic Meats.—Sweet Pickled Meats.—Green Meats.—Pumping Hams pro and contra.—Lard.—Fresh Meats.—Sausages.—Fertilizers.—Tables of No. BOX AVERAGES Export Meats. No. 2—Tierce Averages at 300 lb. No. 3—Table of Convertible Values for Provision Exports to Great Britain.

Curing.
Elimination of Animal Heat.—Demand for Mild Cured Meats.—Temperatures.—How to Handle a Ham Pump.—Strength of Pickle.—Spread the Meats.—How Long.—What Temperature.—SOME GOOD RECIPES FOR CURING.—How Much Salt, etc., to Use.—Sugar Curing.—Different Formulas and Temperatures.—To Avoid "Ropey Pickle."—How to Get Rid of It.—Rolling.—Repping.—Times for Curing of Different Pieces of Different Weights.—When to Draw the Pickle.—Gain in Curing.—Handling of Tierces After Drawing Pickle.—How to Pick Tierces.—Look Out for Leaks.—CURE FOR TONGUES PACKED IN BARRELS AT 220 POUNDS.—Formula.—Another Formula.—Temperature.—Another Pickle.—A Fourth Formula.—Change of Pickle; When Necessary.—Tongues for Export.—Curing of Hocks and Feet.—The Required Pickle.—Another Method.—Temperature.—Vinegar Pickle.—CURE FOR BELLIES IN

TIERCES.—Formula.—Bellies in Tubs.—Another Formula (also good for California Hams, New York Shoulders, etc.).—First-class Cure for Light Bellies for Breakfast Bacon, No. 1.—How to Handle Meats Under this Formula.—Time Necessary for Curing.—Pickle Tests.—Pickle Tanks.—How Low Pickle May Be Drawn from Tanks.—Cut for Rats.—Tierces.—What Weight of Different Cuts to Pack into Them.—Barrels.—Half-Barrels.—Kegs.—Gain of Weight in Pickle.—Loss of Strength in Pickle.—Do not Use Old, Weak Pickle.—Avoid Pickle-Soaked Meats.—How to Keep Brine Well.—Maintaining of Temperature.—"Dry" Methods of Curing Tierce Meats.—WESTPHALIA HAMS.—Formula and manner of making them fully explained.

American Dry Salt Meats.
Heavy Side Meats.—How to Handle.—How to Salt and Resalt.—Bulk-ing of Meats and Rebunking.—Backs.—Bellies.—Shoulders.—Bulk all Meats Close.—Time Necessary for Curing.—How to Figure and Determine Difference of Treatment Prior to Smoking.—Between Dry-Salt Meats and Sweet Pickled Meats.—Light, Clear Sides.—Extra Clear Sides; How to Put Up.—Advantages in Bulk-ing as Clear.—A Tour Through the Cellars of the Country.—What It Discloses.—A Saving to Packers.—Great Possibilities.—Meats for Export.—Handling.—Color.—Use of Saltpeter and Nitrate of Soda.—Difference Between the Use of Saltpeter and Salt.—Acquirement of Color.—How to Sprinkle Saltpeter on Meats.—How to Add Salt.—Use of the Pocket Stick.—Bulk-ing and Rebunking.—How to Place Export Meats in Cellar.—How to Ship Export Salt Meats in Winter.—How in Summer.—How to Handle Meats When Packed in Borax.—How to Obtain Color on Long-Cut Hams.—The Necessity of Tight Boxes and Close Packing.—Shipping of Backs and Bellies.

Smoke Department.
Various Theories in Reference to Best Method of Smoking Refuted.—Cold Smoking.—Quick Smoking.—What is Necessary in Order to Make Meats Which Will Stand Handling.—How to Fill the Smoke-House.—What Precautions to Take.—What Kind of Fire.—How Long.—Let Your House Cool Off.—What Wood to Use.—About the Use of Sawdust.—What to Use to Give the Meat Better Appearance, and to Prevent Fumes from Touching It.—Washed Meats.—Temperature of Water.—What to Mix With It.—What the Smoker Has to Do.—Usage in the British Islands.—Meat-Washing Machines.—Appetizing Meats in Bacon Shops in England.—To Make them Look So.—Room for Improvement in the Handling of Smoked Meats.—Improved Methods Compared to Former Years.—Smoking in Summer.—Do not Handle Meats Any More than Necessary.—Do not File Smoked Meats.—Why.—Several Good Points.—About Handling Before Canvassing.—The Use of Borax Before Papering.—Advantages of Parchment Paper Over Straw Paper.—Canvas and Yellow Wash.—How to Yellow Wash 2500 Hams.—What to Use.—Protection of Smoke-House and Canvassing Room, Ventilators, Doors and Windows.
PICKLE CURED MEATS.—How Long to Soak in Winter.—In Summer.—Fully Detailed.—Shorter Time with Running Water.—Putting Meats in Soak Vats.—How Full the Vats Ought to Be.—Advantages of Creating a Current.—Most Economical Arrangement for Soaking Meats.—Detailed and Explained.

Sausage Department.
Advantages of Such Department in a Packing House.—Cleanliness.—A Number of Sausage Recipes.—Fully Explained.—Pork Sausage.—Bologna.—Liver Sausage.—Head cheese.—Tongue Sausage.—Summer

Sausage.—Beef Sausage.—German Bologna Sausage.—Ham, Chicken and Tongue Sausage.—Oxford Sausage.—Frankfort Sausage.—Boost-wurst.

Tank Department.
Importance of this Department.—Description of Tanks and Capacity.—Size of Manholes.—Location of Same and Water Pipes and Lard Cocks.—How to Set Up a Tank.—To Avoid Loss of Life and Property.—Operation of Tanks.—How to Fill, and When.—What to Do When Tank Gets "Flushed" in Cooking.—How Long to Cook.—How Much Time to Settle.—The Use of Salt in Tank.—Drawing to Cooler.—Pumping Through Filter Press of Separator.—Necessity for Quicker Cooling.—Difference in Temperatures Between Lard Drawn to Tierces and Lard Drawn to Tins.—How to Facilitate the Draining of Tank Water.—Cleaning of Coolers.—Vats and Catch Basins.—Making of "Stick"—Pressing Refuse from Tank Water.—Saving Lard from Tank Water.—What to Do With Residue.—Tight and Open Jacket Kettles.—How to Operate Each of Them.—How Long to Cook, and Under What Pressure.—The Use of the Hammer and Agitator.—Neutral Lard.—How and Where it is Made.
PRIME STEAM LARD.—What It Should Be Made of, and How Rendered.—"Killing" and "Cutting" Lard.—How to Mix.—Wash Your Gut Lard, Which Agent to Use in Bleaching and Purifying Rejected Lard.—In Which Proportion.—How to Recook Same.—Another Method.—Another Recipe.—Kettle-Rendered Leaf Lard.—Neutral Lard.—Kettle-Rendered Lard.—How to Make It.—Stearine Tests.—Yield of Lard Pressed for Oil.—Refined or Compound Lard.—What It is Composed Of.—Method of Manufacture.—White Grease.—Brown and Yellow Grease.—Pig's Feet.—Their Utilization as White Grease, if Not Used for Glue Stock.—Where the Grease Can Be Used.—THE MELTING POINT OF LARD.—An interesting Article on the Subject.—The Melting Point no Indication of Purity.—Methods of Determining It.—Difference of Melting Points of the Different Parts of the Animal.—Difference in Prime Steam Lard and Jacket Kettle Lard.—Disadvantages of Trying to Get Too Much of a Yield.—To Avoid Dark Colored Lard.

Gut and Casings Department.
Its Importance.—What is Paid by Dealers to Packers.—Variation of Prices.—Handling of No. 1 Guts.—Percentage of Good Guts.—Advantage of Handling Guts in the Packing House.—Handling of Bung Guts.—Salting, Drying, Packing.—Points of Interest.
CASINGS.—Soaking, Cleaning, Salting.—Quantity of Salt Allowed.—Yield per Hog.—Calculating Profits for Casings Department, 4 Months' Killing, 3 Examples.—Advantages to the Packer.

Fertilizer Department.
Dried Blood.—Concentrated Tankage or "Stick."—Percentage of Phosphate, Moisture and Ammonia.—Sample Analysis of Dried Blood, Concentrated Tankage.—No. 1 Ground Tankage.—Raw Bone Meal.—Ground Steam Bone.—Value of Dried Blood as a Fertilizer per Unit and per Ton.—Concentrated Tankage No. 2.—Ground Tankage.—How Manufactured, and What It Contains.—Raw Bone Meal.—Ground Steam Bone.

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Pork and Beef Packers.—Wholesale Butchers and Slaughterers.—Wholesale Dealers in Meats.—Wholesale Provision Dealers.—Lard Renderers and Refiners.—Oleomargarine and Butterline Manufacturers.—Tallow Renderers and Dealers.—Provision Brokers and Commission Merchants.—Cotton-Seed Oil Manufacturers and Refiners.—Sausage Manufacturers (Wholesale and Retail).—Fertilizer Manufacturers and Dealers.—Soap and Candle Makers.

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3 5-16c. There were also reports of sales in hhds., at a split between 3 1-16c. and 3 3/8c., of some importance, though no figures were named as to the amount. This bears out what was stated in our last week's article, that the leading French shipper refused to buy city tallow during the summer months on account of enormous leakage in hhds., and that unless the city melters would pack their products in tierces they would cease to sell to French markets. In country stocks 150,000 lb were taken at 36 3/4c., as to quality. London sales were only about one-quarter of the offerings of 2,500 casks at unchanged prices. Nothing was reported done in oleo stearine in New York or West, they being quoted at former prices except in Chicago, where 4 1/2c. was asked. Lard stearine still nominal at 5 1/4c. for Western in New York and 5 1/2c. asked for city. In lard oil there was a little more inquiry, though buyers and sellers were apart generally in their views, which prevented an active business, 35 1/2c. being bid and 36 1/2c. asked, as to quality. 160 hhds. were delivered on weekly contracts at 3 1-16c.; 150 tes. country edible at 3 1/2c. for export. The sale of 3,000 tes. noted above was confirmed by the broker, but the price was 3 3/4c. The sales of oleo in Rotterdam for the day were 400 bbls., and so far for week 1,000 bbls.

Friday's markets were strong for oleo oil at 40 florins Rotterdam, with light supplies in buyers' hands and would pay late advance if packers West would offer more stuff. Their sales for the week for July shipment have been free but they will not sell ahead and this checks trade.

Closing New York quotations were: City lard stearine, 5 1/2c. asked; Western lard stearine, 5 1/4c. asked; both nominal; oleo stearine, city, 4 1/2c. asked; yellow grease stearine, 3 1/2c.; white grease stearine, 3 1/4c. @ 3 5-16c.; tallow stearine, nominal; oleo oil, 7c. for choice; 6 1/4c. for prime, 5 1/2c. for No. 2, and 3 1/2c. for low grades; at Rotterdam, 40 florins bid for choice; oleo stearine at Chicago, 4 1/2c. asked; yellow grease stearine, 3 1-16c.; white grease stearine, 3 1/2c. nominal. City tallow at 3 1-16c. bid in hhds., 3 3/8c. in tes.; country (pkgs free), 36 3/4c. for common to fancy; edible, 3 3/4c. for country and city. Chicago prices are: Prime packers', 3 3/8c.; country, 3 3/4c.; No. 2, 2 9-16c.

Greases.—Brown, 26 1/2c.; yellow, 2 1/2c. @ 2 3/4c.; white, 2 3/4c. @ 3 1/4c.; bone and soap, 2 3/4c. @ 2 1/2c. At Chicago 2.85 @ 2.87 1/2c. for A white, 2 1/2c. for B white, 2 1/4c. @ 2 1/2c. for yellow; 26 1/2c. for brown, and 2 1/2c. @ 2 3/4c. for bone.

ANIMAL OILS—WHOLESALE AND JOBBING.

	Per Gall
Lard oil, prime, city, present make.....	35 a 37
" " Western.....	35 a 36
Neatsfoot oil, white.....	60 a 70
" " prime.....	47 a 63
" " No. 1.....	45 a 48
" " No. 2.....	41 a 43

Red sapontified.....	3 1/4 a 3 1/2
Red Elaine.....	35 a 36
Tallow oil, prime.....	1 1/2 a 1 3/4
Degras, German.....	1 1/2 a 2
" " English, brown.....	3 1/4 a 3 1/2
" " light.....	4 1/4 a 5 1/4
" " French.....	4 1/4 a 5 1/4

COTTONSEED OIL.

(Continued from page 18).

On Thursday the market was quiet but firm, with a fair general business doing as there has been for the week, the total sales of which have been over 3,000 bbls, divided as follows, and including sales above reported: 750 bbls. of good off-summer yellow at 23 1/2c.; 600 bbls. strictly prime summer yellow, 24c.; 800 bbls. choice summer white, 26c.; 550 bbls. prime winter yellow, 29c.; and 350 bbls. butter oil at 28c. This is about 500 bbls. more than the total sales of last week, and is divided between the home and export trade. In crude no business of importance is reported, although small lots are being sold at our quotations both in barrels at New York and in tanks at the South, though no particulars of the latter are given. New York refiners are using refined oil in preference to crude, having taken since our last 4 tanks at the usual difference under barrel oil delivered in New York, but no sales of crude in bulk have been reported in New York, though it is reported in the trade that liberal purchases have been made in the Valley at 16c. by both the American and Kentucky Companies, but no particulars are learned.

Friday's markets were dull and unchanged with only jobbing sales reported at previous quotations.

Cottonseed, crude, nominal, "carre".....	a 20
" " loose, f.o.b. mills.....	15 1/2 a 16
" " Summer yellow, prime.....	23 1/2 a 24
" " " off grade.....	23 a 23 1/2
" " Yellow, butter grades.....	a 28
" " White, prime.....	a 26
" " Yellow, Winter.....	a 29

CAKE AND MEAL.

The market for cottonseed products in New Orleans has been quiet during the week, with a slight inquiry for export. Prices for round lots, both in oil, cake and meal, are steady, with values unchanged. Receivers' prices are as follows: Cottonseed meal jobbing per carload at depot, \$18.50 to \$18.75 per short ton of 2,000 lb; for export per long ton of 2,240 f. o. b., \$20 to \$20.25; oil cake for export \$20 to \$20.25 per long ton, f. o. b.

* The Schwarzschild & Sulzberger Company is putting in a system of wells about its plant in Armourdale to protect itself from fire. The wells are eight-inch drive wells, to which the hose of the fire department can be attached. The company is also building a new pump house.

GRUBS IN HIDES AND SKINS.

(Continued.)

OX BOT-FLY OR WARBLE FLY.

As previously stated, this species was formerly supposed to be distributed over America, but the utter failure to find a single specimen of the larva or adult in the mass of material that has been examined in the last few years makes it doubtful if even the earlier records of its occurrence in this country can be relied upon, and therefore it seems necessary to define its distribution as covering the countries of the Old World surrounding the Mediterranean. Brauer gives its European distribution as from Scandinavia to the southernmost portions, and also says it is distributed over Asia, Africa and North America.

The adult fly is half an inch or a little more in length and not very different in general appearance from the honey bee. It is quite hairy, and, although the surface of the body is black, except the front of the face below the eyes, the color of the hair gives it a banded appearance, the face white, the front part of the thorax whitish yellow, middle of the thorax black, hind part of the thorax whitish, base of the abdomen whitish, middle of the abdomen black, and apex of the abdomen orange red.

The eggs are elongate oval, with an appendage for attachment to the hair. The larva of this species is only known in the later stages, that of the first stage not being described. Brauer describes the second and third stages, the latter form being carefully figured.

This larva is thick and fleshy, of a yellowish white color, becoming darker as it approaches maturity, but the most distinctive characters are found in the disposition of the spines which cover most of the surface of the body. The last two segments are entirely naked, and also the dorsal and lateral prominences of the ninth segment are free from spines. This arrangement of spines is clearly shown in the diagram, which is a device adopted by Brauer to indicate the difference in spine distribution in the different species. Comparison of this figure with that for lineata will serve to determine at once the identity of a specimen.

The pupa is an oval dark body formed from the contracted larva, the anterior end of which is removed when the imago issues.

ARGENTINE'S EXPORTS FALLING OFF.

Official figures show that exports from the Argentine Republic for the first four months of 1897 have considerably fallen off, as compared with the same period of 1896. In each item, except dry hides, there is a perceptible decrease. Among the exports were:

	1896.	1897.
Wool, tons.....	100,078	93,653
Live cattle, number.....	155,713	39,274
Live sheep, number.....	210,962	146,886
Sheepskins, tons.....	9,674	7,387
Dry hides, tons.....	5,363	6,991



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NEW YORK MARKETS.

OCEAN FREIGHTS.

Berth freights are strong at the following quotations: Lard (tierces), Liverpool, 10s. and London, 12s. 6d.; bacon and canned meats, ditto; tallow, 9s. and 12s. 6d., respectively.

Considerable activity has been displayed in cotton oil shipments at 3s. per barrel to Marseilles. Rate to Liverpool for the latter article is 2s. and 3s. to London. Tierced beef is firm at 2s. to Liverpool and 2s. 9d. to Glasgow; barreled pork is quoted at 1s. 6d. to Liverpool and 2s. to London.

LIVE CATTLE.

Weekly receipts:

	Bovens.	Cows.	Calves.	Sheep.	Hogs.
Jersey City.....	2,711	1	2,296	31,534	12,901
Sixtieth St.....	3,477	85	7,293	1,177	234
Fortieth St.....					16,868
Hoboken.....	2,456	48		1,326	
Lehigh Val. N. H.....	1,972		68		2,518
Scattering.....			192	84	
Totals.....	10,416	129	9,839	37,120	31,611
Totals last week.....	11,398	138	11,920	43,116	32,483

Weekly shipments:

	Live Cattle.	Live Sheep.	Quar. Beef.
Eastmans Company.....		3,900	
D. H. Sherman.....		2,100	
Nelson Morris.....		876	
Swift & Company.....		2,360	
Schwartzschild & Sulzberger.....	1,075		
J. Shamburg & Son.....	1,975	1,385	
Pritchard, Moore & Co.....	180		
G. F. Lough & Co.....		50	
Total shipments.....	2,330	1,435	11,320
Total shipments last week.....	2,544	1,040	11,650
Boston " this week.....	4,391	2,572	12,268
Baltimore " ".....	1,080	1,640	1,418
Philad'a. " ".....	628		1,003
Montreal " ".....	3,738	1,415	
Newport News " ".....	699		
To London.....	4,848	175	3,712
To Liverpool.....	5,649	6,495	19,321
To Bristol.....		666	
To Glasgow.....	1,334	302	
To Hull.....		290	
To Newcastle.....	261		
To Southampton.....			976
To Bermuda and West Indies.....		50	
Totals to all ports.....	12,558	7,022	26,009
" " " last week.....	15,314	5,424	26,459

QUOTATIONS FOR BEEVES.

Good to choice native steers.....	4 90 a 5 20
Medium to fair native steers.....	4 65 a 4 85
Common native steers.....	4 25 a 4 60
Stags and Oxen.....	2 50 a 4 40
Bulls and dry cows.....	1 80 a 3 50
Good to prime native steers one year ago.....	4 70 a 4 95

DRESSED BEEF.

Prices have not altered this week; the market rules stronger and demand improving. Western tone is firmer, with a probable $\frac{1}{4}$ c. improvement on last week's figures. We quote:

Choice Native, heavy.....	7 1/2 a 8 1/2
" " light.....	7 1/4 a 8 1/4
Common to fair Native.....	6 1/2 a 7 1/2
Choice Western, heavy.....	7 a 7 1/2
" " light.....	6 1/2 a 7
Good to prime Westerns.....	6 1/2 a 7
Common to fair Texan.....	5 1/2 a 6 1/2
Good to choice Heifers.....	6 a 6 1/2
Common to fair Heifers.....	5 1/2 a 6
Choice Cows.....	5 1/2 a 6 1/2
Common to fair Cows.....	5 a 5 1/2
Good to choice Oxen and Stags.....	5 1/2 a 6 1/2
Common to fair Oxen and Stags.....	5 a 5 1/2
Choice Bulls.....	5 1/2 a 6 1/2
Common Bulls and Cows for Bologna.....	4 a 4 1/2

LIVE CALVES.

Demand was active and market steady at unchanged prices. We quote:

Live veal calves prime, per lb.....	5 1/2 a 5 1/2
" " common to good.....	4 a 5 1/4
Live Calves Western, per lb.....	3 1/2 a 4 1/4
" " buttermilks, per lb.....	2 1/2 a 3 1/4

DRESSED CALVES.

City dressed are in fair demand with prices unaltered. Country dressed were not very plenty, weather being hot and sultry and a limited demand; market ruled quiet and a trifle weaker. We quote:

City dressed.....	7 1/2 a 9 1/2
Country dressed, choice.....	8 a 8 1/2
" " good.....	7 a 7 1/2
" " common buttermilks.....	5 a 6
" " small.....	4 a 5

DRESSED SHEEP AND LAMBS.

Demand for lambs being good prices have been maintained, and in several cases for choice 1c. more has been reached; we are not justified in quoting more than $\frac{1}{4}$ c. as a general improvement. Sheep without change. We quote:

Good to choice lambs.....	9 a 10 1/2
Common to medium lambs.....	6 1/2 a 8
Good to prime sheep.....	6 1/2 a 7 1/2
Common to medium.....	5 1/2 a 6

LIVE SHEEP AND LAMBS.

Market is stronger on lambs, with a small advance. Sheep steady; a few extra wethers brought 4 1/2c., but it was extreme. We quote:

Live spring lambs, Southern, per lb.....	5 1/2 a 6 1/2
" " sheep, good to prime.....	3 1/2 a 4
" " poor to fair.....	2 a 3

LIVE HOGS.

Market improved a little during the week and advanced about 10c.; but little is doing at the yards. We quote:

Hogs, heavy.....	3 90 a 4 00
Hogs, light to medium.....	3 95 a 4 10
Pigs.....	4 00 a 4 15
Roughs.....	3 00 a 3 50

DRESSED HOGS.

No change in market this week, although live hogs have advanced, no more can be got for dressed. We quote:

Hogs, 160 and over.....	5 a 5 1/2
Hogs, 140 and over.....	4 1/2 a 5 1/2
Hogs, 120 and over.....	4 1/2 a 5 1/2
Pigs, light.....	5 1/2 a 6
Pigs, medium.....	5 a 6
Country dressed.....	4 a 6 1/2

PROVISIONS.

The market is very unsettled; smoked hams are offered at 8 1/2c. California hams from 6 1/2c. to 7 1/2c., but neither moving freely; fresh pork loins have dropped to below figures; outside quotations firm. We quote:

(JOBBER TRADE).

Smoked hams, 10 lbs. average.....	8 a 10
" " 12 to 14 ".....	8 1/2 a 9 1/2
" " heavy.....	7 1/2 a 9 1/2
California hams, smoked, light.....	7 a 7 1/2
" " heavy.....	6 1/2 a 6 1/2
Smoked bacon, homeless.....	8 a 8 1/2
(rib in).....	7 1/2 a 8 1/2
Dried beef sets.....	13 a 13
Smoked beef tongues, per lb.....	6 a 16
" " shoulders.....	6 a 6 1/2
Pickled bellies, light.....	6 1/2 a 7
" " heavy.....	5 1/2 a 6
Fresh pork loins, City.....	6 1/2 a 7 1/2
" " Western.....	6 a 7
Pork tenderloins.....	13 a 16

DRESSED POULTRY.

Supplies of Western fowls only moderate, and only light invoices of stock to arrive for the next week. Holders are inclined to feel firmer, and some of the finest marks reached 9c. That price has been reached for exceptionally fancy, but buyers object to paying more than 8 1/2c., and we hesitate to quote higher, while few Southwestern are fine enough to exceed 8c. Philadelphia spring chickens in moderate supply, but quality irregular, and our quotations full high for average best lots. Western scalded are plentiful, quality irregular, most running small to medium size, and feeling is weaker. Western dry picked springs are scarce, and choice large held fairly steady. Spring ducks plenty and slow, with no improvement in prices. Squabs in liberal supply and selling slowly at irregular prices. We quote:

Turkeys, average lots.....	7 a 8
Spring chickens, Phila., 3 to 4 lbs. to pair.....	21 a 22
" " " under 3 lbs. to pair.....	18 a 20
" " " West, scalded, large, per lb.....	13 a 17
" " " small.....	13 a 15
" " " dry-picked, large.....	16 a 18
" " " small.....	13 a 15
Fowls, State and Penn., good to prime.....	8 a 8 1/2
" " No. 11, Ind., etc., dry-picked, small.....	8 a 8 1/2
" " Western, dry-picked, small.....	7 1/2 a 8
" " Western, scalded, small.....	7 1/2 a 8
" " Western, heavy.....	7 1/2 a 8
" " Western, poor to fair.....	6 1/2 a 7
Old Cocks, Western.....	4 a 4 1/2
Ducks, Eastern, spring, per lb.....	12 a 12 1/2
" " L. I., spring, per lb.....	11 a 12
" " Western, spring, per lb.....	7 a 8
Squabs, choice, large, white, per doz.....	1 75 a 1 75
" " small and poor, per doz.....	1 00 a 1 25

LIVE POULTRY.

Chickens are weak and favoring buyers; a few of the best Western brought 16c., but 15c. is the more general price for average best

lots. Fowls are meeting a good outlet at steady prices. Roosters well sustained. Turkeys rather firm, and selected hens command a premium. Ducks and geese dull. We quote:

Turkeys.....	8 a 8 1/2
Fowls, Local, per lb.....	8 1/2 a 8 1/2
" " Western.....	8 1/2 a 8 1/2
" " Southern and Southwestern.....	8 1/2 a 8 1/2
Roosters, old, per lb.....	50 a 75
Ducks, per pair, Western.....	50 a 75
" " Southern.....	60 a 75
Geese, per pair, Western.....	75 a 1 00
" " Southern and Southwestern.....	75 a 1 00
Spring Chickens, 4 to 5 lbs. to pair, per lb.....	13 a 13 1/2
" " 3 to 5 lbs. per lb.....	13 a 13 1/2
" " 2 lbs. and under, per lb.....	13 a 13 1/2
Pigeons, per pair, old.....	25 a 25
" " young.....	15 a 20

FISH.

Cod, heads off.....	4 a 6
" " heads on.....	2 a 2 1/2
Halibut.....	6 a 10
Striped bass.....	12 a 20
Bluefish.....	2 a 4
Eels, skinned.....	6 a 10
White perch.....	3 a 8
Flounders.....	7 a 8
Salmon, Kennebunk.....	2 1/2 a 3
Smelts.....	18 a 20
" " green.....	3 a 8
Lobsters, large.....	12 a 14
" " medium.....	8 a 10
Herrings.....	1 1/2 a 2
Red snappers.....	2 a 2
Mackerel, medium.....	14 a 15
" " large.....	15 a 16
" " Spanish.....	15 a 16
Shad, rock.....	a
Scallops.....	a
Soft crabs.....	35 a 75
Porgies.....	1 1/2 a 3
Weakfish.....	2 a 4

GAME.

We drop quotations for game, as there is only a small stock of frozen on hand. Market neglected, prices nominal.

BUTTER.

NEW BUTTER.

Creamery, Western, extras, per lb.....	15 a 15
" " firsts.....	14 a 14
" " seconds.....	12 a 13
" " thirds.....	11 a 11 1/2
" " State, extras.....	15 a 15
" " State, finest.....	14 a 14
" " thirds to firsts.....	11 a 13
State dairy, half firkin tubs, extras.....	14 a 14
" " firsts.....	12 1/2 a 13 1/2
" " seconds.....	11 a 12
" " Welsh tubs, fancy.....	12 1/2 a 14
" " firsts.....	12 a 13
" " seconds.....	11 a 11 1/2
" " Tubs.....	10 a 10 1/2
Western imitation creamery, fancy.....	12 a 12 1/2
" " firsts.....	10 1/2 a 11
" " seconds.....	9 1/2 a 10
" " factory, extra.....	10 a 10 1/2
" " firsts.....	10 a 10 1/2
" " seconds.....	9 a 9 1/2
" " thirds.....	7 1/2 a 8 1/2

OLD BUTTER.

Western factory or dairy.....	6 a 9
-------------------------------	-------

CHEESE.

NEW CHEESE.

State, full cream, large, colored, fancy.....	7 1/2 a 7 1/2
" " " white.....	7 1/2 a 7 1/2
" " " choice.....	7 1/2 a 7 1/2
" " " fair to good.....	6 1/2 a 7
" " " common.....	6 a 6 1/2
" " " colored, small, fancy.....	7 1/2 a 7 1/2
" " " white.....	7 1/2 a 7 1/2
" " " small, choice.....	7 a 7
" " " fair to good.....	6 1/2 a 6 1/2
" " light skims, choice.....	5 1/2 a 5 1/2
" " part.....	5 a 5 1/2
" " good to prime.....	4 1/2 a 5
" " common to fair.....	3 a 4
" " full skims.....	2 a 3

EGGS.

State and Penn., prime to choice, per doz.....	11 a 11 1/2
Mich., North. Ohio and North. Ind., fancy.....	10 1/2 a 10 1/2
Other Western, choice.....	10 1/2 a 10 1/2
Western, fair to good.....	10 a 10 1/2
Western, poor to fair (30-doz. case).....	1 80 a 2 40
Western, dirties, per case.....	1 60 a 1 90
Western, checks and cracks, per case.....	1 20 a 1 80

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Fresh Beef Tongue.....	60c
Calves' heads, scalded.....	35 to 40c a pair
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Beef kidneys.....	10 to 12c a piece
Mutton kidneys.....	3c a piece
Livers, beef.....	40 to 60c a piece
Oxtails.....	6 to 8c a piece
Hearts, beef.....	15 to 20c a piece
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Butts, beef.....	6 to 8c a lb
Tenderloins, beef.....	25 to 30c a lb
Lambs' fries.....	10c a pair

WANTED.~FOR SALE.~BUSINESS OPPORTUNITIES.

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SITUATION BY COMPETENT MAN, thoroughly posted in all branches of Pork Packing, including export trade; 19 years experience. Address, **PORK PACKER,** Room 11, Rialto Building, Chicago, Ill.

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BUTCHERS.

The following Mortgages on Butchers' Fixtures, Bills of Sale, etc., have been recorded during the past week up to Saturday, June 26, 1897. They are a reprint of our Advance Sheet, sent out to houses on June 26, who subscribe to same.

NEW YORK CITY.

Bloomfield, Regina, 343 West 17th; to H. Brand.....	\$30
Feldman, David; to M. Zimmermann (R.).....	300
Gellis, Max, 330 East Houston; to M. Zimmermann.....	375
Goldberger, Samuel, 130 Ridge; to L. Berger.....	100
Heim, Stephen, 823 10th Ave.; to M. Buehler.....	500
Jaissle, Christian, 3391 3d Ave.; to Armour & Co.....	470
Kahn, Aug., 2165 5th Ave.; to M. Levin.....	55
Klein, Isidor, 134 Columbia; to H. Brand.....	79
Leynskey, Wm., 2240 5th Ave.; to J. McLean.....	160
Markovitz & Alkan, 124 Ludlow; to H. Brand.....	85
Mooney, M. F., 735 7th Ave.; to F. Levy (Fish, etc.).....	289
Nauer, Morris, 1689½ Delancey; to Gerzog & Rosenberg.....	125
Rosinsky, Jacob, 9 Stanton; to Gerzog & Rosenberg.....	150
Roos, Anna, 1811 Lexington Ave.; to M. Zimmermann.....	100
Rothberg, Abel, 37 Stanton; to L. Bellen (Sausage Fixtures).....	75
Ruppel, Anthony L., 21 Washington Market; to Felin Ruppel.....	800
Swobada, Vincene, 302 East 73d; to A. Hedbaony.....	800
Sauer, John, 314 Bleecker; to J. C. Sauer.....	1,500
Timmermann, Chas., 2372 2d Ave.; to F. L. Glover.....	130
Vatter, Lena, Bedford Park; to A. Weber.....	120

Bills of Sale.

Buehler, Christian, 823 10th Ave.; to S. Heim.....	1,400
Weiss, Hy., 56 1st Ave.; to B. Meyer.....	400

KINGS COUNTY.

Dreyfus, J. & Lilly, 365 Halsey; to Lena Lorser.....	250
Lock, C. A., & G. Smith, 1018 Gates Ave.; to C. W. Small (Fish, etc.).....	150
Mungesser, L., Jr., 476 Bergen; to S. Roe.....	100

Bills of Sale.

Wolff, A., 421 5th Ave.; to Anna Wolff.....	450
---	-----

HUDSON COUNTY.

Sauer, Conrad, Hoboken; to E. Stände.....	400
---	-----

ESSEX COUNTY.

Causor, Harry; to Gerzog & Rosenberg Bros.....	240
Lowenstein, Minnie; to J. Lowenstein.....	212

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GROCERS.

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NEW YORK CITY.

Ahrens, Sophia C., 840 9th Ave.; to Beckmann & Wuff.....	400
Abramson, Dora, 18 Bleecker; to M. Levin.....	120
Buhman, Mary, 507 Lenox Ave.; to Smith & Sills.....	380
Hotel Savoy; to Title G. & Trust Co.....	450,000
Jerome, Louis, Saratoga Springs; to C. Mulford (Hotel).....	500
Josephy, Anna, 2018 7th Ave.; to Meyer & Lange.....	125
Long Beach Association (receiver of), Long Beach; to Lord & Taylor.....	1,800
Meineke, Wm., 77 East 105th; to P. Vorrath.....	1,600

Bills of Sale.

Carroll, Kate M., 202 Greenwich; to A. Gillier (Hotel).....	5,250
Frankel, Moses, 557 9th Ave.; to Johanna Frankel (Butter).....	300
Judson, A. H., 830 3d Ave.; to M. Kaden (Restaurant).....	1,000
Moskovitz, J. & E., 242 Delancey; to Nieman & Simonwitz.....	85
Mares, Maurice; to Rose Mares (Restaurant).....	300

KINGS COUNTY.

Bruggner, John & Ferd., 510 Marcy Ave.; to Kunigunda Bruggner.....	1,900
Rowokit, J., 273 4th Ave.; to Koenig & Schuster.....	379
Seltborg, E., & E. W. Leckstrom, 1864½ Fulton St.; to T. Eickstedt.....	150

Bills of Sale.

Bruggner, Kunigunda, John & Ferd., 510 Marcy Ave.; to Von Glahn Bros.....	1,130
Kemper, H. E., 92 5th Ave.; to Kemper & Musson.....	360
McMahon, J., Ocean and Emmons Ave.; to Alice McMahon (Hotel).....	415
Reinhardt, H., 428 Bedford Ave.; to L. Kuchler (Delicatessen).....	478
Ruhe, A., 535 Marcy Ave.; to J. D. Brunjers.....	600
Sagemann, C. H., 598 Vanderbilt Ave.; to H. Griensmann.....	1,900

HUDSON COUNTY.

Stoveken, F. A., Jr., Bayonne; to L. F. Stoveken.....	152
Same; to F. Stovegen.....	207

NOTE.—The above information will be furnished on a special advance sheet one week ahead of this publication to all those who may desire to order it. Price, \$2.50 per year, 52 weekly sheets.

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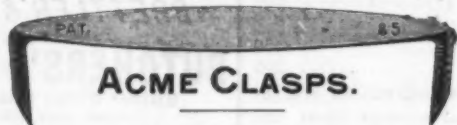
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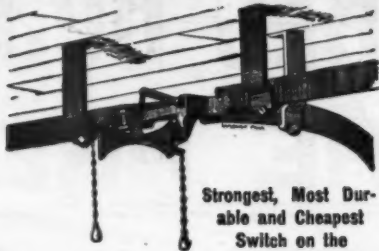
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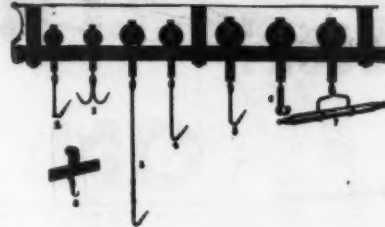


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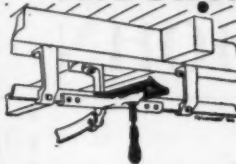
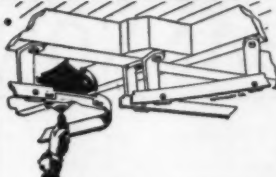
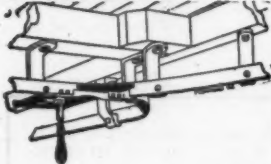


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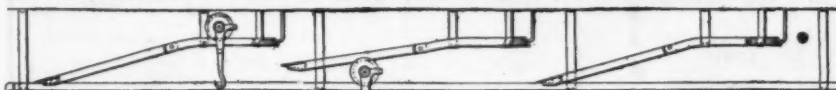


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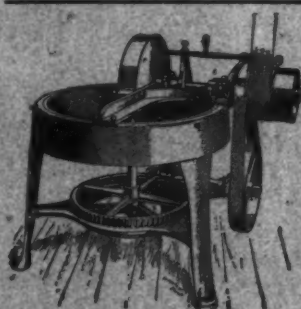
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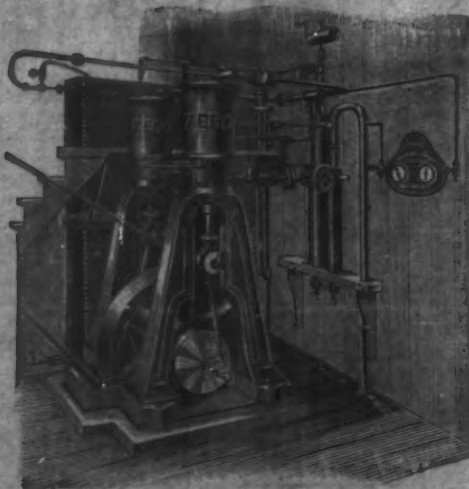
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